



# The bidi *Package*

Documentation for *version 19.7*

*to my Master, Ferdowsi The Great*

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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

Documentation for [version 19.7](#)

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September 9, 2016

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## Introduction

bidi provides a convenient interface for typesetting bidirectional texts in plain  $\text{\TeX}$  and  $\text{\LaTeX}$ , using the  $\text{\XeTeX}$  engine.

### bidi Info On The Terminal and In The Log File

If you use bidi package to write any input  $\text{\TeX}$  document, and then run `xelatex` on your document, bidi writes some information about itself to the terminal and to the log file. The information is something like:

```
*****
*
* bidi package (Bidirectional typesetting in
* plain TeX and LaTeX, using XeTeX engine)
*
* Description: A convenient interface for
* typesetting bidirectional texts in plain TeX
* and LaTeX. The package includes adaptations
* for use with many other commonly-used packages.
*
* Copyright (c) 2009--2016 Vafa Khalighi
*
* 2016/09/09, v19.7
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://sourceforge.net/p/persian-tex/tickets
*
* Support: persian-tex@tug.org
*****
```

## Part I

# $\text{\LaTeX}$ Manual

## 1 Basics

### 1.1 Loading The Package

You can load the package in the ordinary way;



```
\usepackage [Options] {bidi}
```

Where options of the package are explained later in [subsection 1.5](#).  
When loading the package, it is important to know that:

- ❶ bidi should be the last package that you load, because otherwise you are certainly going to overwrite bidi's definitions and consequently, you will not get the expected output.
- ❷ In fact, bidi makes sure that some specific packages are loaded before bidi; these are those packages that bidi modifies them for bidirectional typesetting. If you load bidi before any of these packages, then you will get an error saying that you should load bidi as your last package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{bidi}
3 \usepackage{graphicx}
4 \begin{document}
5 This is just a test.
6 \end{document}
```

Where graphicx is loaded after bidi. If you run xelatex on this document, you will get an error which looks like this:

```
! Package bidi Error: Oops! you have loaded package graphicx after
bidi package. Please load package graphicx before bidi package, and
then try to run xelatex on your document again.
```

```
See the bidi package documentation for explanation.
Type H <return> for immediate help.
...
```

```
1.4 \begin{document}
```

```
?
```

## 1.2 bidi's Symbol

As you may know lion symbolizes T<sub>E</sub>X but lion does not symbolizes bidi. **Simorgh**<sup>1</sup> (shown on the first page of this documentation) symbolizes bidi.

<sup>1</sup>Simorgh is an Iranian benevolent, mythical flying creature which has been shown on the titlepage of this documentation. For more details see <http://en.wikipedia.org/wiki/Simurgh>



### 1.3 Commands for Version number, and Date of The Package

`\bidiversion` `\bididate`

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
5 \end{document}
```

### 1.4 Turning TeX--XeT features on and off

The bidirectional typesetting in Xe<sub>TeX</sub> is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by T<sub>E</sub>X, the typesetting of a document by TeX--XeT may therefore differ from that performed by T<sub>E</sub>X. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original T<sub>E</sub>X. Two commands are provided for this purpose:

`\TeXXeTOn` `\TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

### 1.5 Options of The Package

There are three options, namely `RTLdocument` and `rldocument`, which are essentially equivalent. If you pass any of these options to the package, you will be typesetting a document containing mainly RTL texts with some LTR texts. These options activate `\setRTL` (explained in [subsection 5.4](#)), `\RTLdblcol` (explained in [subsection 1.10](#)) and `\autofootnoterule` (explained in [subsubsection 1.9.1](#)).

It is clear that if you do not pass any of these options to the package, you will be typesetting a document containing mainly LTR texts with some RTL texts.

There is also `extrafootnotefeatures` option that allows footnotes to be typeset in different formats:



```

\normalfootnotes
\twocolumnfootnotes \threecolumnfootnotes \fourcolumnfootnotes
\fivecolumnfootnotes \sixcolumnfootnotes \sevendcolumnfootnotes
\eightcolumnfootnotes \nincolumnfootnotes \tencolumnfootnotes
\RTLcolumnfootnotes \LTRcolumnfootnotes
\paragraphfootnotes
\setLTRparagraphfootnotes \setRTLparagraphfootnotes

```

☞ `\normalfootnotes` typesets footnotes in Standard  $\LaTeX$  format.

☞ `\twocolumnfootnotes` to `\tencolumnfootnotes`, typeset footnotes in two-columns to ten-columns, respectively.

☞ `\RTLcolumnfootnotes` typesets footnotes columns RTL (first column on the RHS and each next column to the left of the previous column) and `\LTRcolumnfootnotes` typesets footnotes columns LTR (first column on the LHS and each next column to the right of the previous column). `\LTRcolumnfootnotes` is active by default.

☞ `\paragraphfootnotes` typesets footnotes in paragraph format.

☞ `\setLTRparagraphfootnotes` makes footnotes run from left to right. This command is active by default.

☞ `\setRTLparagraphfootnotes` makes footnotes run from right to left.

Please note that when using `extrafootnotefeatures` option, the footnote rule will be as wide as the text width and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects.

Please also note that if you redefine `\baselinestretch` command or change the value of `\baselineskip` primitive before `\paragraphfootnotes` command, then you may get Arithmetic Overflow error. You should change these after using `\paragraphfootnotes` command.

## 1.6 Paragraph Switching Commands

```

\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR

```

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \setRTL%

```





```

5 Anyone who reads Old and Middle English literary texts will be
6 familiar with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8
9 \setLTR% Notice the blank line before \setLTR
10 Anyone who reads Old and Middle English literary texts will be
11 familiar with the mid-brown volumes of the EETS, with the symbol
12 of Alfred's jewel embossed on the front cover.
13 \end{document}

```

## 1.7 Paragraph Switching Environments

```

\begin{LTR}  <text>  \end{LTR}
\begin{RTL}  <text>  \end{RTL}

```

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{RTL}
5 Anyone who reads Old and Middle English literary texts will be familiar
6 with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8 \begin{LTR}
9 Anyone who reads Old and Middle English literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 And we are still typesetting RTL.
14 \end{RTL}
15 \end{document}

```

## 1.8 Typesetting Short LTR and RTL Texts

```

\LRE{<text>}  \LR{<text>}
\RLE{<text>}  \RL{<text>}

```

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.



```

1 \begin{document}
2 \begin{RTL}
3 Anyone who reads Old and Middle English \LRE{Short LTR text} literary
4 texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \begin{LTR}
8 Anyone who reads Old and Middle English \RLE{Short RTL text} literary
9 texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 \end{RTL}
14 \end{document}

```

## 1.9 Footnotes

```

\footnote [num] {\text} \LTRfootnote [num] {\text} \RTLfootnote [num] {\text}
\setfootnoteRL \setfootnoteLR \unsetfootnoteRL
\thanks{\text} \LTRthanks{\text} \RTLthanks{\text}

```

- ☞ `\footnote` in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnote` will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnote` will always produce an RTL footnote, independent on the current mode.
- ☞ Specifying a `\setfootnoteRL` command anywhere will make `\footnote` produce an RTL footnote.
- ☞ Specifying either a `\setfootnoteLR` or an `\unsetfootnoteRL` command anywhere will make `\footnote` produce an LTR footnote.
- ☞ `\thanks` (to be used only inside `\author` or `\title` argument) in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRthanks` (to be used only inside `\author` or `\title` argument) will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLthanks` (to be used only inside `\author` or `\title` argument) will always produce an RTL footnote, independent on the current mode.



```
\footnotetext [num] {\text} \LTRfootnotetext [num] {\text}
\RTLfootnotetext [num] {\text}
```

- ☞ `\footnotetext` used in conjunction with `\footnotemark`, in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnotetext` used in conjunction with `\footnotemark`, will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnotetext` used in conjunction with `\footnotemark`, will always produce an RTL footnote, independent on the current mode.

### 1.9.1 Footnote Rule

The behavior of footnote rules can also be controlled.

```
\autofootnoterule \rightfootnoterule \leftfootnoterule
\LRfootnoterule \textwidthfootnoterule \SplitFootnoteRule
\debugfootnotedirection
```

- ☞ `\autofootnoterule` will draw the footnote rule right or left aligned based on the direction of the first footnote following the rule (i.e., put in the current page).
- ☞ `\rightfootnoterule` will put footnote rule on the right-hand side.
- ☞ `\leftfootnoterule` or `\LRfootnoterule` will put footnote rule on the left-hand side.
- ☞ `\textwidthfootnoterule` will draw the footnote rule with a width equal to `\textwidth`.
- ☞ `\SplitFootnoteRule` puts a full-width rule above the split-off part of a split footnote.
- ☞ `\debugfootnotedirection` writes the direction of the first footnote on each page, in the log file.

### 1.10 Two Column Typesetting

```
\RTLdblcol \LTRdblcol
```

If you pass the `twocolumn` option to the class file and if the main direction of the document is RTL, then you get RTL two column and if the main direction of the document is LTR, then you get LTR two column. In addition, `\RTLdblcol` allows you to have RTL two column typesetting and `\LTRdblcol` allows you to have LTR two column typesetting as the options of the class file.



Also please note that in `twocolumn` documents, the width of the `\footnoterule` will be equal to `\columnwidth` no matter which footnote-rule commands you use; indeed, in `twocolumn` documents only `\textwidthfootnoterule` is active and other footnote-rule commands will not be effective.

### 1.11 RTL cases

`\RTLcases` command was previously known as `\rcases` command but since there was a clash with `mathtools` package (`mathtools` defines `rcases` environment), we had to rename `\rcases` command to `\RTLcases` command.

```
\RTLcases{\text{\langle brach1\rangle}\cr\text{\langle brach2\rangle}\cr\text{\langle brach3\rangle}...}
\text{\langle main\rangle}
```

`\RTLcases` is defined in `bidi` for typesetting RTL cases. `\text` is defined in `amsmath` package, so this means that you need to load `amsmath` package too.

```
1 \documentclass{article}
2 \usepackage{amsmath}
3 \usepackage{bidi}
4 \begin{document}
5 \setRTL
6 \[ \RTLcases{\text{men}\cr\text{women}}
7 \text{Humans Beings}
8 \]
9 \end{document}
```

### 1.12 Typesetting Logos

```
\XeTeX \XeLaTeX
```

`bidi` defines  $\text{\XeTeX}$  and  $\text{\XeLaTeX}$  logos and in addition, it makes sure that logos,  $\text{\TeX}$ ,  $\text{\LaTeX}$ ,  $\text{\LaTeX}_{2\epsilon}$  are typeset LTR.

### 1.13 Separation Mark

```
\SepMark{\langle mark\rangle} \@SepMark
```

Generally in Standard  $\text{\LaTeX}$ , dot is used for separation between section numbers, equation numbers any anything else which needs to be separated. You can use `\SepMark` to use any other mark as the separation mark instead a dot.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \begin{document}
5 \section{First}
6 \subsection{Second}
7 \subsubsection{Third}
8 \end{document}
```



If you decide to change the numbering of chapters, sections, subsections, equations, figures and ..., you should either load `amsmath` package and use `\numberwithin` macro to do this or do the ordinary way, but instead dot write `\@SepMark`. Using dot instead `\@SepMark` will certainly make trouble.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \makeatletter
5 \renewcommand\theequation{\thesection\@SepMark\@arabic\c@equation}
6 \makeatother
7 \begin{document}
8 \section{First}
9 \begin{equation}
10 x^2+y^2=z^2
11 \end{equation}
12 \end{document}

```

#### 1.14 `\raggedright`, `\raggedleft` commands, `flushleft` and `flushright` Environments

`\raggedright` command and `flushleft` environment put the text on the left hand side and `\raggedleft` command and `flushright` environment put the text on the right hand side, independent on the current mode.

#### 1.15 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

#### 1.16 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:



```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \hbox{This is a Test}
6 \end{document}

```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when  $\TeX$  starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \leavevmode\hbox{This is a Test}
6 \end{document}

```

### 1.17 `\bidillap` and `\bidirlap` Commands

In RTL mode, `\llap` and `\rlap` do opposite things. Since these two macros are used in a lot of classes and packages, instead of modifying these two macros, we have created two new macros `\bidillap` and `\bidirlap` which give logical results.

### 1.18 `LTRitems` and `RTLitems` Environments

If you typeset an `itemize`, or an `enumerate`, or a `description` environment where all `\items` are one directional, you have no problem at all as shown below:

```

1 \documentclass{article}
2 \begin{document}
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol of Alfred's
5 \begin{enumerate}
6 \item Anyone who reads Old and Middle English literary texts will be
7 familiar with the mid-brown volumes of the EETS, with the symbol of
8 Alfred's
9 \item Anyone who reads Old and Middle English literary texts will be
10 familiar with the mid-brown volumes of the EETS, with the symbol of
11 Alfred's
12 \end{enumerate}
13 \end{document}

```

However if the above example becomes bidirectional, as shown below:

```

1 \documentclass{article}
2 \usepackage{bidi}

```



```

3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \setRTL
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{enumerate}
15 \end{document}

```

Then some people may argue that this typographically does not look promising. For this purpose, RTLitems environment is provided which has the following syntax:

```

\begin{RTLitems}
  \item <text>
  ...
\end{RTLitems}

```

By using the RTLitems environment, the previous example will look like the following:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \begin{RTLitems}
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{RTLitems}
15 \end{enumerate}
16 \end{document}

```

Similarly, LTRitems environment is defined which has the following syntax:

```

\begin{LTRitems}
  \item <text>
  ...
\end{LTRitems}

```



## 1.19 LTRbibitems and RTLbibitems Environments

The syntax of LTRbibitems and RTLbibitems environments is exactly like the syntax of LTRitems and RTLitems environments but there are few differences:

- ☞ LTRitems and RTLitems environments should only be used for list-like environments (such as itemize, enumerate and description environments) but LTRbibitems and RTLbibitems environments should only be used for thebibliography environment.
- ☞ Clearly instead of `\item`, you have `\bibitem` inside LTRbibitems and RTLbibitems environments.

## 1.20 \setLTRbibitems, \setRTLbibitems, and \setdefaultbibitems commands

<code>\setLTRbibitems</code> <code>\setRTLbibitems</code> <code>\setdefaultbibitems</code>
--

- ☞ If your whole thebibliography environment is inside RTL mode, but all your `\bibitems` are LTR and you actually want to have `\bibname` to appear on the RHS, you can use `\setLTRbibitems` command before thebibliography environment.
- ☞ If your whole thebibliography environment is inside LTR mode, but all your `\bibitems` are RTL and you actually want to have `\bibname` to appear on the LHS, you can use `\setRTLbibitems` command before thebibliography environment.
- ☞ `\setdefaultbibitems` is the default, when your `\bibitems` are a mixture of LTR and RTL and it does not matter what mode (LTR or RTL) your thebibliography environment is in. Please note that you do not have to use `\setdefaultbibitems` command in this case at all.

Consider an example that your thebibliography environment is inside LTR mode and you have, say two `\bibitems`. The first `\bibitem` is LTR and the second `\bibitem` is RTL. One could typeset this scenario as shown below:

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{thebibliography}{99}
5 \bibitem This is the first bibitem which is LTR.
6 \begin{RTLbibitems}
7 \bibitem This is the second bibitem which is RTL.
8 \end{RTLbibitems}
9 \end{thebibliography}
10 \end{document}
```





### 1.21 Typesetting margin par

By default, in RTL mode, `\marginpar` appears on LHS and its content is typeset RTL and in LTR mode, `\marginpar` appears on RHS and its content is typeset LTR. In addition, the following commands are provided:

```
\setRTLmarginpar \setLTRmarginpar \setdefaultmarginpar
\LTRmarginpar[⟨left-text⟩]{⟨right-text⟩}
\RTLmarginpar[⟨left-text⟩]{⟨right-text⟩}
```

- ☞ `\setRTLmarginpar` always makes `\marginpar` to appear on LHS and the content of `\marginpar` is typeset RTL (this is independent of the current mode).
- ☞ `\setLTRmarginpar` always makes `\marginpar` to appear on RHS and the content of `\marginpar` is typeset LTR (this is independent of the current mode).
- ☞ `\setdefaultmarginpar` gives the default behaviour of `\marginpar` as described above.
- ☞ `\LTRmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always LTR.
- ☞ `\RTLmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always RTL.
- ☞ in RTL mode, places of `⟨left-text⟩` and `⟨right-text⟩` swaps.

### 1.22 Typesetting of Headers and Footers

If the main direction of the document is RTL, then headers and footers are typeset RTL and if the main direction of the document is LTR, then headers and footers are typeset LTR.

### 1.23 Tabular Typesetting

In RTL mode, tabular are typeset RTL and in LTR mode, tabular are typeset LTR.

### 1.24 Equation Numbers

For `reqno`, equation numbers are on the right hand side and for `leqno`, equation numbers are on the left hand side, independent on the current mode.

## 2 Support For Various Packages and Classes

The bidi package supports `amsmath`, `amstext`, `amsthm`, `array`, `arydshln`, `breqn`, `cals`, `caption`, `color`, `colortbl`, `crop`, `cuted`, `cutwin`, `dblfnote`, `draftwatermark`, `empheq`, `fancyhdr`, `fancybox`, `fix2col`, `float`, `floatrow`, `flowfram`, `framed`, `ftnright`, `geometry`, `graphicx`, `hvfloa`, `hyperref`, `lettrine`, `listings`, `mdframed`, `midfloat`, `minitoc`, `multicol`, `multienum`, `newfloat`, `pdfpages`, `pstricks`, `quotchap`, `pinyin`, `ragged2e`, `rotating`, `sidecap`, `stabular`,



subfig, subfigure, supertabular, xtab, tabs, tabulary, PGF & TIKZ, tocbibind, tocloft, tocstyle, wrapfig, xcolor, xltextra packages, amsart, amsbook, artikel1, artikel2, artikel3, extarticle, flashcards, standrad article, boek, boek3, standard book, bookest, extbook, extletter, scrlettr, standard letter, memoir, extreport, rapport1, rapport3, refrep, standard report, scrartcl, scrbook, scrreprt classes and any other packages and classes that relies on these packages and classes. This means, you can use all these packages and classes in addition to other packages and classes that rely on these packages and classes and use their functionality fully for your bidirectional documents. We now give some details that you should know about the supported packages or classes.

## 2.1 Color

You can use color and xcolor packages to typeset texts in colours and colour boxes produced by `\colorbox` and `\fcolorbox` commands. Please note that your Coloured text should not span more than a line, if your text spans more than a line, you will be in trouble which means your whole document, page or paragraph may be coloured. If your texts spans more than a line, then you should use xecolor package. Also if you are going to use `\color` command to colour the text at the beginning of a paragraph, then you should have `\leavevmode` before `\color` command. For having coloured tabular, you can use colortbl package.

## 2.2 The dblfnote package

The dblfnote package makes footnotes double-columned. In addition bidi package adds bidirectional support for the dblfnote package by providing the following commands:

<code>\RTLdfnmakecol</code>	<code>\LTRdfnmakecol</code>
-----------------------------	-----------------------------

☞ `\RTLdfnmakecol` makes footnotes double-columned RTL.

☞ `\LTRdfnmakecol` makes footnotes double-columned LTR.

☞ If the main direction of the document is RTL, `\RTLdfnmakecol` is active and if the main direction of the document is LTR, `\LTRdfnmakecol` is active.

Please note that when using dblfnote package, the footnote rule will be as wide as the footnote column and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects.

## 2.3 Hyperref

The hyperref package works fine with bidirectional documents if and only if, your link will not span more than a line. If your link spans more than a line, then your whole document, or page or paragraph may be linked.



## 2.4 The listings package

Suppose that the main direction of the document is RTL, and you want to typeset a piece of C code in LTR mode but you also have the requirement that the caption of that particular code should be RTL. Since the direction of the code is LTR, then the direction of the caption also will be LTR and this is not something you want; sadly there is no easy way to do this. For this very reason, the `bidi` package adds a key to the `listings` package, namely `captiondirection`. This key can have the following values:

☞ `textdirection` follows the direction of the text (default).

☞ `RTL` sets the direction of the caption to RTL.

☞ `LTR` sets the direction of the caption to LTR.

Giving any other values gives you an error.

## 2.5 flowfram Package

You can use `flowfram` package for your bidirectional documents. Please note that `flowfram` package provides support for bidirectional column typesetting, for details, see its manual.

## 2.6 Multicolumn Typesetting

In the previous versions of `bidi` package, it was recommended that you need to use `fmultico` package instead the original `multicol` package for RTL multicolumn typesetting. This is not the case any more and you should not use buggy `fmultico` package any more. Simply load the original `multicol` package before loading `bidi`. `bidi` now supports `multicol` package and you can typeset bidirectional multi columns. When using `multicol` package, the following two additional commands are provided:

`\RTLmulticolcolumns` `\LTRmulticolcolumns`

If the main direction of the document is RTL, then you get RTL multi columns and if the main direction of the document is LTR, then you get LTR multi columns. In addition, `\RTLmulticolcolumns` allows you to have RTL multi columns and `\LTRmulticolcolumns` allows you to have LTR multi columns. In addition, you also can use `vwcol` package for variable width bidirectional column typesetting.

## 3 Extra bidi Packages and Classes



### 3.1 bidi-longtable package

For typesetting RTL tables with longtable package, an experimental package, bidi-longtable package, is provided. bidi-longtable package should be loaded after longtable package.

### 3.2 biditufte bundle

A modified version of tufte-latex, biditufte bundle, mainly for RTL typesetting, is provided. If you never used biditufte bundle or tufte-latex package and you want to use biditufte bundle, then you need to look at tufte-latex package's manual and examples. In addition, for using biditufte bundle, you need to know the following notes:

- ☞ You need to use biditufte-book class instead tufte-book class and biditufte-handout class instead tufte-handout class.
- ☞ biditufte bundle provides the following extra commands:

`\LTRsidenote \RTLsidenote \LTRmarginnote \RTLmarginnote`

- ☞ biditufte-book and biditufte-handout classes provide two extra options; RTLgeometry (active when loading either of classes) and LTRgeometry.
- ☞ biditufte bundle unlike tufts-latex package, only provides justified lines.
- ☞ Some features of tufte-latex that does not make any sense in RTL, do not exist in biditufte bundle (no need for soul, letterspace and macrotype packages).
- ☞ If you want to configure biditufte-book class for your own needs, then you can create a file with the name biditufte-book.cfg and put your  $\LaTeX$  macros in that file; similarly, if you want to configure biditufte-handout class for your own needs, then you can create a file with the name biditufte-handout.cfg and put your  $\LaTeX$  macros in that file.

### 3.3 Typesetting $\TeX$ and $\LaTeX$ Codes

The  $\LaTeX$  codes in this manual are typeset using the bidicode package. In standard  $\LaTeX$  you can not use footnotes inside `\chapter`, `\part`, `\section`, `\subsection`, `\subsubsection` and any other section-like commands, `\caption` and tabular environment.

bidi package provides bidiftnextra package that solves the issue of footnote in standard  $\LaTeX$ . bidiftnextra package should be loaded after bidi package.



### 3.4 Typesetting Poems

The bidi package provides bidipoem package for typesetting Persian poems. It provides four environments, `traditionalpoem`, `modernpoem` and starred version of these. In the starred version of these environments you do not need to type `\\` and that is the only difference with the normal version of the environments. The `traditionalpoem` environment and its starred version are also useful for typesetting Classic Arabic poetry, in fact this package may also be useful for other RTL languages.

When using bidipoem package, at least you need to run `xelatex` twice on your document. In fact, if you run `xelatex` just once on your document, you get a message saying “Unjustified poem. Rerun XeLaTeX to get poem right”.

When you typeset your poems, you might get underfull `\hbox` messages. This is absolutely normal and if you want to get rid of these underfull `\hbox` messages, then you would need to use Kashida.

If you need to change the default distance between two verses, you can do just that by:

```
\renewcommand\poemcolsepskip{\langle length \rangle}
```

```
\begin{traditionalpoem}  
  \langle verse1 \rangle & \langle verse2 \rangle \\  
  \langle verse3 \rangle & \langle verse4 \rangle \\  
  ...  
\end{traditionalpoem}
```

```
\begin{traditionalpoem*}  
  \langle verse1 \rangle & \langle verse2 \rangle  
  \langle verse3 \rangle & \langle verse4 \rangle  
  ...  
\end{traditionalpoem*}
```

### 3.5 Typesetting Resumé

The bidi package provides `bidimoderncv`<sup>2</sup> class for typesetting resumé. There are two examples, namely `test-casualcv.tex` and `test-classiccv.tex`, in the `doc` folder than you can look and learn how you can use it.

### 3.6 Print Two Pages On A Single Page

bidi package provides `bidi2in1` package for printing two pages on a single (landscape) A4 page. Page numbers appear on the included pages, and not on the landscape ‘container’ page.

---

<sup>2</sup>This class is the modified version of `moderncv` class.



### 3.7 Producing Presentations

At the moment, there is only one class that you can prepare your presentations with.

## 4 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.

### 4.1 Equating Conditionals

`\eqnewif{<\newconditional1>}{<\newconditional2>}`

In standard  $\text{\LaTeX}$ , `\newif` command is provided that you can define a new conditional with it. `\eqnewif` command is similar to `\newif` command but:

- ☞ With `\eqnewif` command, you can define two new conditionals instead one, so clearly it has two mandatory arguments.
- ☞ `\newconditional1` will be identical to `\newconditional2`, so that whenever `\newconditional1` is true, then `\newconditional2` is also true and whenever `\newconditional1` is false, then `\newconditional2` is also false and vice versa.

### 4.2 RTL Conditional

`\if@RTL`

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

### 4.3 Main RTL Conditional

`\if@RTLmain`

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

### 4.4 Latin Conditional

`\if@Latin`

`\if@Latin` inside any environment that uses Latin font is true and inside any environment that uses RTL font is false.



## 4.5 Tags Internal Macro

```
\@iftagsloaded{<tags name>}{<do thing(s) if the tag is loaded>}  
{<do thing(s) if the tag is not loaded>}
```

As you can see, the syntax of \@iftagsloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By tags, we mean things like leqno or reqno. Please note that in the argument <tags name>, the extension clo should not be given.

## 4.6 Definition File Loaded Internal Macro

```
\@ifdefinitionfileloaded{<definition file name>}  
{<do thing(s) if the definition file is loaded>}  
{<do thing(s) if the definition file is not loaded>}
```

As you can see, the syntax of \@ifdefinitionfileloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By definition file, we mean things like hyperref-bidi.def or wrapfig-bidi.def. Please note that in the argument <definition file name>, the extension def should not be given.

## 4.7 Tabular Conditional

```
\if@RTLtab
```

If the tabular is typeset RTL, \if@RTLtab is true and if the tabular is typeset LTR, \if@RTLtab is false.

## 4.8 Footnote Conditional

```
\if@RTL@footnote
```

When footnotes are typeset RTL, \if@RTL@footnote is true and when footnotes are typeset LTR, \if@RTL@footnote is false.

## 4.9 Direction Ensuring Macros

```
\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}  
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}
```

☞ \@ensure@RTL and \@ensure@RL internals make sure that <text> is always typeset RTL, independent on the current mode.

☞ \@ensure@LTR and \@ensure@LR internals make sure that <text> is always typeset LTR, independent on the current mode.



- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

## 4.10 Reset Direction Macro

```
\save@dir \saved@@dir \reset@dir
```

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

# Part II

# Plain T<sub>E</sub>X Manual

## 5 Basics

### 5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

When loading the package, it is important to know that: `bidi` should be the last package that you load, because otherwise you are certainly going to overwrite `bidi`'s definitions and consequently, you will not get the expected output.

### 5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

- ☞ `\bidiversion` gives the current version of the package.

- ☞ `\bididate` gives the current date of the package.

```
1 \input bidi
2 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
3 \end
```





### 5.3 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

`\TeXXeTOn \TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

### 5.4 Paragraph Switching Commands

`\setLTR \setLR \unsetRL \unsetRTL  
\setRTL \setRL \unsetLTR`

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```
1 \input bidi
2 \setRTL%
3 Anyone who reads Old and Middle English literary texts will be
4 familiar with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6
7 \setLTR% Notice the blank line before \setLTR
8 Anyone who reads Old and Middle English literary texts will be
9 familiar with the mid-brown volumes of the EETS, with the symbol
10 of Alfred's jewel embossed on the front cover.
11 \end
```

### 5.5 Paragraph Switching Environments

`\LTR <text> \endLTR  
\RTL <text> \endRTL`

☞ With LTR environment, you can typeset LTR paragraphs.



☞ With RTL environment, you can typeset RTL paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6 \LTR
7 Anyone who reads Old and Middle English literary texts will be familiar
8 with the mid-brown volumes of the EETS, with the symbol
9 of Alfred's jewel embossed on the front cover.
10 \endLTR
11 And we are still typesetting right to left.
12 \endRTL
13 \end
```

## 5.6 Typesetting Short LTR and RTL Texts

<code>\LRE{&lt;text&gt;}</code>	<code>\LR{&lt;text&gt;}</code>
<code>\RLE{&lt;text&gt;}</code>	<code>\RL{&lt;text&gt;}</code>

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English \LRE{Short left to right text}
4 literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \LTR
8 Anyone who reads Old and Middle English \RLE{Short right to left text}
9 literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \endLTR
13 \endRTL
14 \end
```



## 5.7 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

## 5.8 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:

```
1 \input bidi
2 \setRTL
3 \hbox{This is a Test}
4 \end
```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when  $\text{\TeX}$  starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```
1 \input bidi
2 \setRTL
3 \leavevmode\hbox{This is a Test}
4 \end
```

## 5.9 Typesetting Logos

`\XeTeX`

`bidi` defines  $\text{\XeTeX}$  logo and in addition, it makes sure that the logo,  $\text{\TeX}$  is typeset LTR.

## 6 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.



## 6.1 RTL Conditional

```
\if@RTL
```

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

## 6.2 Main RTL Conditional

```
\if@RTLmain
```

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

## 6.3 Direction Ensuring Macros

```
\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}  
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}
```

- ☞ `\@ensure@RTL` and `\@ensure@RL` internals make sure that `<text>` is always typeset RTL, independent on the current mode.
- ☞ `\@ensure@LTR` and `\@ensure@LR` internals make sure that `<text>` is always typeset LTR, independent on the current mode.
- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

## 6.4 Reset Direction Macro

```
\save@dir \saved@@dir \reset@dir
```

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

# 7 bidi implementation

## 7.1 amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for amsart class for XeTeX  
2 \def\@tocline#1#2#3#4#5#6#7{\relax  
3 \ifnum #1>\c@tocdepth % then omit  
4 \else  
5 \par \addpenalty\@secpenalty\addvspace{#2}%  
6 \begingroup \hyphenpenalty\@M
```



```

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

```



```

57 \makefnintext{%
58 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}
59
60
61
62 \long\def\@LTRfootnotetext#1{%
63 \insert\footins{%
64 \RTLfalse%
65 \normalfont\footnotesize
66 \interlinepenalty\interfootnotelinepenalty
67 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
68 \floatingpenalty\@MM \hsize\columnwidth
69 \@parboxrestore \parindent\normalparindent \sloppy
70 \protected@edef\@currentlabel{%
71 \csname p@footnote\endcsname\@thefnmark}%
72 \makefnintext{%
73 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}}
74
75
76 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
77 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
78 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
79
80 \renewenvironment{thebibliography}[1]{%
81 \bibtitlestyle
82 \normalfont\bibliofont\labelsep .5em\relax
83 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
84 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
85 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
86 \leftmargin\labelwidth \advance\leftmargin\labelsep
87 \usecounter{enumiv}}%
88 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
89 \sfcode\@.=\@m
90 }{%
91 \def\@noitemerr{\@latex@warning{Empty 'thebibliography' environment}}%
92 \endlist
93 }
94 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
95 \columnseprule\z@ \columnsep 35\p@
96 \@indextitlestyle
97 \thispagestyle{plain}%
98 \let\item\@idxitem
99 \parindent\z@ \parskip\z@\@plus.3\p@\relax
100 \ifRTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
104 \def\@subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
105 \def\@subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
106 \def\maketitle{\par

```



```

107 \@topnum\z@ % this prevents figures from falling at the top of page 1
108 \@setcopyright
109 \thispagestyle{firstpage}% this sets first page specifications
110 \uppercasenonmath\shorttitle
111 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
112 \else \andify\shortauthors
113 \fi
114 \@maketitle@hook
115 \begingroup
116 \@maketitle
117 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
118 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
119 \edef\@tempa{%
120   \onx\markboth{\the\toks4
121     \onx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
122 \@tempa
123 \endgroup
124 \c@footnote\z@
125 \@cleartopmattertags
126 }

```

## 7.2 adjmulticol-xetex-bidi.def

```

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

```



```

154 \fi
155 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
156 \let\orig@RTLfootnotetext\@RTLfootnotetext
157 \let\@RTLfootnotetext\mult@RTLfootnotetext
158 \fi
159 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]{}
160 \let\adjmc@page@sofar@orig=\page@sofar

```

### 7.3 algorithm2e-xetex-bidi.def

```

161 \ProvidesFile{algorithm2e-xetex-bidi.def}[2015/02/01 v0.1 bidi adaptations for algorithm2e pack
162 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
163 \else%
164 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
165 \fi%
166
167 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
168 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
169 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
170 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
171 \renewcommand{\@algocf@start}{%
172 \algorithmskip%
173 \begin{bidi@lrbox}{\algocf@algorithmbox}%
174 \setlength{\algowidth}{\hsize}%
175 \vbox\bgroup% save all the algo in a box
176 \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
177 \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
178 % initialization
179 \addtolength{\hsize}{-1.5\algomargin}%
180 \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
181 \raggedright\AlFnt}%
182 \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
183 \algorithmskip%
184 % \let\@emathdisplay=\]\def\]\{\algocf@endline\@emathdisplay\nl}%
185 }%
186 \renewcommand{\@algocf@finish}{%
187 \algorithmskip%
188 \egroup%end of vtop which contain all the text
189 \hfill\egroup%end of hbox which contains [margin][vtop]
190 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
191 %
192 \egroup%end of main vbox
193 \end{bidi@lrbox}%
194 \algocf@makethealgo% print the algo
195 \algorithmskip%
196 % restore dimension and macros
197 \setlength{\hsize}{\algowidth}%
198 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
199 \let\;=\@mathsemicolon%
200 \let\]=\@emathdisplay%

```





201 }%

## 7.4 amsbook-xetex-bidi.def

```

202 \ProvidesFile{amsbook-xetex-bidi.def}[2015/11/14 v1.0 bidi adaptations for amsbook class for XeT
203 \def\@tocline#1#2#3#4#5#6#7{\relax
204   \ifnum #1>\c@tocdepth % then omit
205   \else
206     \par \addpenalty\@secpenalty\addvspace{#2}%
207     \begingroup \hyphenpenalty\@M
208     \@ifempty{#4}{%
209       \@tempdima\csname r@tocindent\number#1\endcsname\relax
210     }{%
211       \@tempdima#4\relax
212     }%
213     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\lef
214     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
215     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
216     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
217     \nobreak
218     \endgroup
219   \fi}
220 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
221 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
222 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
223 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
224 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
225   \columnseprule\z@ \columnsep 35\p@
226   \@indextitlestyle
227   \thispagestyle{plain}%
228   \let\item\@idxitem
229   \parindent\z@ \parskip\z@\@plus.3\p@\relax
230   \if@RTL\raggedleft\else\raggedright\fi
231   \hyphenpenalty\@M
232   \footnotesize}
233 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
234 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
235 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
236 \def\righ@footnoterule{%
237   \kern-.4\p@
238   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
239   \kern11\p@\kern-\footnotesep}
240 \def\left@footnoterule{\kern-.4\p@
241   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
242
243 \long\def\@footnotetext#1{%
244   \insert\footins{%
245     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
246     \normalfont\footnotesize
247     \interlinepenalty\interfootnotelinepenalty

```



```

248 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
249 \floatingpenalty\@MM \hsize\columnwidth
250 \@parboxrestore \parindent\normalparindent \sloppy
251 \protected@edef\@currentlabel{%
252   \csname p@footnote\endcsname\@thefnmark}%
253 \@makefnintext{%
254   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
255
256 \long\def\@RTLfootnotetext#1{%
257   \insert\footins{%
258     \@RTLtrue%
259     \normalfont\footnotesize
260     \interlinepenalty\interfootnotelinepenalty
261     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
262     \floatingpenalty\@MM \hsize\columnwidth
263     \@parboxrestore \parindent\normalparindent \sloppy
264     \protected@edef\@currentlabel{%
265       \csname p@footnote\endcsname\@thefnmark}%
266     \@makefnintext{%
267       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
268
269
270 \long\def\@LTRfootnotetext#1{%
271   \insert\footins{%
272     \@RTLfalse%
273     \normalfont\footnotesize
274     \interlinepenalty\interfootnotelinepenalty
275     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
276     \floatingpenalty\@MM \hsize\columnwidth
277     \@parboxrestore \parindent\normalparindent \sloppy
278     \protected@edef\@currentlabel{%
279       \csname p@footnote\endcsname\@thefnmark}%
280     \@makefnintext{%
281       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
282
283
284
285 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
286 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
287 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
288
289 \renewenvironment{thebibliography}[1]{%
290   \@bibtitlestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
294   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
295     \leftmargin\labelwidth \advance\leftmargin\labelsep
296     \usecounter{enumiv}}}%
297   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty

```



```

298 \sfcode`\.=\@m
299 }{%
300 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
301 \endlist
302 }
303 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
304 \begingroup
305 \fontsize{\@xivpt}{18}\bfseries\centering
306 \ifnum\c@secnumdepth>\m@ne
307 \leavevmode \hskip-\if@RTL\righskip\else\leftskip\fi
308 \rlap{\vbox to\z@{\vss
309 \centerline{\normalsize\mdseries
310 \uppercase\exp{\chaptername}\enspace\thechapter}
311 \vskip 3pc}}\hskip\if@RTL\righskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34p@ \advance\skip@-\normalbaselineskip
314 \vskip\skip@ }
315 \def\maketitle{\par
316 \@topnum\z@ % this prevents figures from falling at the top of page 1
317 \begingroup
318 \@maketitle
319 \endgroup
320 \c@footnote\z@
321 \def\do##1{\let##1\relax}%
322 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
323 \do\author \do\@xauthor \do\address \do\@xaddress
324 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
325 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
326 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
327 }

```

## 7.5 amsmath-xetex-bidi.def

```

328 \ProvidesFile{amsmath-xetex-bidi.def}[2014/09/04 v0.9 bidi adaptations for amsmath package for X
329 \let\veqno=\eqno
330 \iftagsleft@ \let\veqno=\leqno \fi
331 \renewcommand{\numberwithin}[3][\arabic]{%
332 \ifundefined{c@#2}{\@nocounterr{#2}}{%
333 \ifundefined{c@#3}{\@nocnterr{#3}}{%
334 \addtoreset{#2}{#3}%
335 \exp\xdef\csname the#2\endcsname{%
336 \exp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
337 }
338 \def\tagform@#1{\maketag@@@{\if@Latin\else\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@

```

## 7.6 amstext-xetex-bidi.def

```

339 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for X
340 \def\textdef@#1#2#3{\hbox{%
341 \everymath{#1}%
342 \let\f@size#2\selectfont

```



```

343 \if@Latin\else\beginR\fi#3\if@Latin\else\endR\fi}}

```

## 7.7 amsthm-xetex-bidi.def

```

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

```

## 7.8 animate-xetex-bidi.def

```

346 \ProvidesFile{animate-xetex-bidi.def}[2016/05/03 v0.2 bidi adaptations for animate package for X
347
348
349 %user command for embedding animation sequence
350 % #1: options
351 % #2: frame rate (fps)
352 % #3: basename of graphics file sequence (without frame number and extension)
353 % #4: first frame (integer)
354 % #5: last frame (integer)
355 \renewcommand{\animategraphics}[5][]{%
356 \@anim@endsanitize%
357 \leavevmode%
358 \ifpdf\else%
359 \if@anim@grxloaded%
360 \if@anim@xetex%
361 \DeclareGraphicsRule{.mps}{eps}{*}{*}%
362 \fi%
363 \else%
364 \if@anim@xetex%
365 \@anim@missing[xetex]{graphicx}%
366 \else%
367 \if@anim@dvi pdfmx%
368 \@anim@missing[dvipdfmx]{graphicx}%
369 \else%
370 \@anim@missing{graphicx}%
371 \fi%
372 \fi%
373 \fi%
374 \fi%
375 \@anim@reset% to default settings
376 \begingroup% make use of graphic[xs] search path
377 \beginL%
378 \ifcsname Ginput@path\endcsname%
379 \let\input@path\Ginput@path%
380 \fi%
381 %
382 \setkeys{anim@user}{#1}%
383 \ifthenelse{\boolean{@anim@autoplay}\OR\boolean{@anim@autoresume}}{%
384 \setboolean{@anim@autoplayorresume}{true}%
385 }{}%
386 \ifthenelse{\boolean{@anim@controls}\OR\boolean{@anim@palindrome}}{%
387 \setboolean{@anim@morejs}{true}%

```



```

388 }{}%
389 \ifx\empty\@anim@label\empty\else%
390   \setboolean{@anim@morejs}{true}%
391 \fi%
392 \ifthenelse{\NOT\boolean{@anim@controls}\AND\boolean{@anim@step}}{%
393   \setboolean{@anim@loop}{true}%
394 }{}%
395 \def\@anim@base{#3}%
396 \def\@anim@first{#4}%
397 \def\@anim@last{#5}%
398 %
399 \@anim@checkmultipage{\@anim@base}{\@anim@ftype}%test for multipage file
400 \if@anim@multipage\else% cope with wrong user input
401   \ifthenelse{equal{#4}{}\OR\equal{#5}{} }{%
402     \PackageError{animate}{%
403       Missing frame number in \protect\animategraphics\space command%
404     }{}%
405   }{}%
406   \ifthenelse{\@anim@first<\z\OR\@anim@last<\z }{%
407     \PackageError{animate}{%
408       Negative frame numbers not allowed%
409     }{}%
410   }{}%
411 \fi%
412 \def\@anim@relop{>}%
413 \edef\@anim@numtemplate{\@anim@first}%
414 \ifnum\@anim@first>\@anim@last\relax%
415   \edef\@anim@every{-\@anim@every}%
416   \def\@anim@relop{<}%
417   \edef\@anim@numtemplate{\@anim@last}%
418 \fi%
419 \global\@anim@curframe=\@anim@first%
420 \global\@anim@curframe@zb=\z%
421 %
422 \if@anim@draft%
423   \if@anim@multipage%
424     %store file in a box
425     \@anim@filebox{\@anim@pathtofile}{\@anim@first}%
426   \else%
427     %get file name extension
428     \@anim@getpath{\@anim@base\@anim@first}{\@anim@ftype}%
429     \@anim@filebox{\@anim@pathtofile}{1}%
430   \fi%
431   \@anim@scale{\@anim@box}%
432   %draw draftbox according to dimensions of the first frame
433   \@anim@draftbox%
434 \else%
435   \if@anim@controls%
436     %create button faces only once in the current colour combination
437     \ifcsname

```



```

438         btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
439         \@anim@makebuttons{\the\@anim@num}%
440         \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
441         \fi%
442     \fi%
443     \xdef\@anim@nfps{#2\space}% current frame rate
444     \xdef\@anim@nfps{\expandafter\zap@space\@anim@nfps\@empty}%
445     \ifdim\@anim@nfps\p<\z@%
446         \PackageError{animate}{%
447             Negative frame rate '\@anim@nfps' is not allowed%
448         }{}%
449     \fi%
450     \xdef\@anim@fps{\@anim@nfps}%
451     %
452     %read all frames of the sequence
453     \loop\ifnum\@anim@curframe\@anim@relop\@anim@last\relax\else%
454         \if@anim@multipage%
455             %embed graphics
456             \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
457                 \@anim@pathtofile}{\the\@anim@curframe}%
458             \else%
459                 %get path to current file end its extension
460                 \@anim@getpath{%
461                     \@anim@base\@anim@pad{\@anim@numtemplate}{\the\@anim@curframe}%
462                 }{\@anim@ftype}%
463                 %embed graphics
464                 \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
465                     \@anim@pathtofile}{1}%
466             \fi%
467             \global\advance\@anim@curframe by \@anim@every%
468             \global\advance\@anim@curframe@zb by \@ne%
469         \repeat%
470         \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
471         \global\@anim@tmpcnt=\@anim@frames%
472         \global\advance\@anim@tmpcnt by -\@ne%
473         \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
474         %build timeline from optional timeline file
475         \@anim@sanitizeJS%
476         \if@anim@timeline\@anim@buildtmtn{\the\@anim@num}\fi%
477         % if last frame used as poster, write frame num to aux file
478         \ifnum\@anim@poster=\@anim@mone\relax%
479             \@anim@keytoaux{a\the\@anim@num.poster}{\@anim@maxframe}%
480         \fi%
481         %insert animation widget & controls
482         \@anim@insertwidgets{\the\@anim@num}{%
483             \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
484         \@anim@endsanitize%
485     \fi%
486 \endL%
487 \endgroup%

```



```

488 \global\advance\@anim@num by \@ne%
489 }%
490 %adjust catcode of `:' character within \animategraphics
491 \let\@anim@animategraphics\animategraphics
492 \def\animategraphics{\@anim@sanitizeColon\@anim@animategraphics}
493
494
495
496 %user environment for animating inline graphics
497 % #1: options
498 % #2: frame rate (fps)
499 \renewenvironment{animateinline}[2][\@%
500 \@anim@endsanitize%
501 \leavevmode%
502 \@anim@reset% to default settings
503 \beginngroup%
504 \beginL%
505 % make use of graphic[xs] search path
506 \ifcsname Ginput@path\endcsname%
507 \let\input@path\Ginput@path%
508 \fi%
509 \setkeys{anim@user}{#1}%
510 \ifthenelse{\boolean{@anim@autoplay}\OR\boolean{@anim@autoresume}}{%
511 \setboolean{@anim@autoplayorresume}{true}%
512 }{}%
513 \ifthenelse{\boolean{@anim@controls}\OR\boolean{@anim@palindrome}}{%
514 \setboolean{@anim@morejs}{true}%
515 }{}%
516 \ifx\empty\@anim@label\empty\else%
517 \setboolean{@anim@morejs}{true}%
518 \fi%
519 \ifthenelse{\NOT\boolean{@anim@controls}\AND\boolean{@anim@step}}{%
520 \setboolean{@anim@loop}{true}%
521 }{}%
522 \global\@anim@curframe@zb=\z@%
523 \global\@anim@skipfram=\z@%
524 \if@anim@draft\else%
525 %create button faces if necessary
526 \if@anim@controls%
527 \ifcsname
528 btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
529 \@anim@makebuttons{\the\@anim@num}%
530 \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
531 \fi%
532 \fi%
533 \if@anim@step\else%
534 \xdef\@anim@nfps{-1}%
535 \@anim@processfpsarg{#2}%
536 \fi%
537 \fi%

```



```

538 \ifdefined\NoHyper\NoHyper\fi% silently suppress any hyperref specials
539 \let\newframe\@anim@newframe%
540 \let\multiframe\@anim@multiframe%
541 \@anim@beginframe%
542 \ignorespaces%
543 }{
544 \unskip%
545 \@anim@endframe{\the\@anim@num}{\the\@anim@curframe@zb}%
546 \ifdefined\endNoHyper\endNoHyper\fi%
547 \global\advance\@anim@curframe@zb by \@ne%
548 \if@anim@draft\else%
549 \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
550 \global\@anim@tmpcnt=\@anim@frames%
551 \global\advance\@anim@tmpcnt by -\@ne%
552 \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
553 %build timeline from optional timeline file
554 \@anim@sanitizeJS%
555 \if@anim@timeline\@anim@buildtmtn{\the\@anim@num}\fi%
556 %insert animation widget & controls
557 \@anim@insertwidgets{\the\@anim@num}{%
558   \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
559 \@anim@endsanitize%
560 % if last frame used as poster, write frame num to aux file
561 \ifnum\@anim@poster=\@anim@mone\relax%
562   \@anim@keytoaux{a\the\@anim@num.poster}{\@anim@maxframe}%
563 \fi%
564 \fi%
565 \endL%
566 \endgroup%
567 \global\advance\@anim@num by \@ne%
568 }
569 \let\@anim@animateinline\animateinline
570 \def\animateinline{\@anim@sanitizeColon\@anim@animateinline}

```

## 7.9 array-xetex-bidi.def

```

571 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeTeX]
572 \def\@testpach{\@chclass
573 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
574 \ifnum \@lastchclass=7 5 \else
575 \ifnum \@lastchclass=8 \tw@ \else
576 \ifnum \@lastchclass=9 \thr@@
577 \else \z@
578 \ifnum \@lastchclass = 10 \else
579 \edef\@nextchar{\expandafter\string\@nextchar}%
580 \@chnum
581 \if \@nextchar c\z@ \else
582 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
583 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
584 \z@ \@chclass

```





```

585 \if\@nextchar |\@ne \else
586 \if \@nextchar !6 \else
587 \if \@nextchar @7 \else
588 \if \@nextchar <8 \else
589 \if \@nextchar >9 \else
590 10
591 \@chnum
592 \if \@nextchar m\thr@@\else
593 \if \@nextchar p4 \else
594 \if \@nextchar b5 \else
595 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
596 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
597 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
598 \leavevmode
599 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
600 \let\d@llarend\endR
601 \@tabarray}
602 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
603 \expandafter\let\csname endtabular*\endcsname=\endtabular
604 \def\@array[#1]#2{%
605 \@tempdima \ht \strutbox
606 \advance \@tempdima by\extrarowheight
607 \setbox \@arstrutbox \hbox{\vrule
608 \@height \arraystretch \@tempdima
609 \@depth \arraystretch \dp \strutbox
610 \@width \z@}%
611 \beginR
612 \@mkpream{#2}%
613 \xdef\@preamble{\noexpand \ialign \@halignto
614 \bgroup \@arstrut \@preamble
615 \tabskip \z@ \cr}%
616 \endR
617 \@arrayleft
618 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
619 \bgroup
620 \let \@sharp ##\let \protect \relax
621 \lineskip \z@
622 \baselineskip \z@
623 \m@th
624 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop
625 \def\@tabarray{\@ifnextchar [{\@array}{\@array[c]}}
626 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
627 \def\array{\col@sep\arraycolsep
628 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}
629 \@RTLtabfalse\@tabarray}

```

## 7.10 article-xetex-bidi.def

```

630 \ProvidesFile{article-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for standard article class]
631 \if@titlepage

```



```

632 \renewcommand\maketitle{\begin{titlepage}%
633 \let\footnotesize\small
634 \let\right@footnoterule\relax
635 \let\left@footnoterule\relax
636 \let\textwidth@footnoterule\relax
637 \let \footnote \thanks
638 \let \LTRfootnote \LTRthanks
639 \let \RTLfootnote \RTLthanks
640 \null\vfil
641 \vskip 60\p@
642 \begin{center}%
643   {\LARGE \@title \par}%
644   \vskip 3em%
645   {\large
646     \lineskip .75em%
647     \begin{tabular}[t]{c}%
648       \@author
649     \end{tabular}\par}%
650     \vskip 1.5em%
651     {\large \@date \par}%           % Set date in \large size.
652 \end{center}\par
653 \@thanks
654 \vfil\null
655 \end{titlepage}%
656 \setcounter{footnote}{0}%
657 \global\let\thanks\relax
658 \global\let\LTRthanks\relax
659 \global\let\RTLthanks\relax
660 \global\let\maketitle\relax
661 \global\let\@thanks\@empty
662 \global\let\@author\@empty
663 \global\let\@date\@empty
664 \global\let\@title\@empty
665 \global\let\title\relax
666 \global\let\author\relax
667 \global\let\date\relax
668 \global\let\and\relax
669 }
670 \else
671 \renewcommand\maketitle{\par
672 \begingroup
673   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
674   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
675   \long\def\@makefntext##1{\parindent 1em\noindent
676     \hb@xt@1.8em{%
677       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
678   \if@twocolumn
679     \ifnum \col@number=\@ne
680       \@maketitle
681     \else

```



```

682     \twocolumn[\@maketitle]%
683     \fi
684   \else
685     \newpage
686     \global\@topnum\z@    % Prevents figures from going at top of page.
687     \@maketitle
688     \fi
689     \thispagestyle{plain}\@thanks
690   \endgroup
691   \setcounter{footnote}{0}%
692   \global\let\thanks\relax
693   \global\let\LTRthanks\relax
694   \global\let\RTLthanks\relax
695   \global\let\maketitle\relax
696   \global\let\@maketitle\relax
697   \global\let\@thanks\@empty
698   \global\let\@author\@empty
699   \global\let\@date\@empty
700   \global\let\@title\@empty
701   \global\let\title\relax
702   \global\let\author\relax
703   \global\let\date\relax
704   \global\let\and\relax
705 }
706 \def\@maketitle{%
707   \newpage
708   \null
709   \vskip 2em%
710   \begin{center}%
711     \let \footnote \thanks
712     \let \LTRfootnote \LTRthanks
713     \let \RTLfootnote \RTLthanks
714     {\LARGE \@title \par}%
715     \vskip 1.5em%
716     {\large
717       \lineskip .5em%
718       \begin{tabular}[t]{c}%
719         \@author
720       \end{tabular}\par}%
721     \vskip 1em%
722     {\large \@date}%
723   \end{center}%
724   \par
725   \vskip 1.5em}
726 \fi
727 \renewcommand*{\l@part[2]}{%
728   \ifnum \c@tocdepth >-2\relax
729     \addpenalty\@secpenalty
730     \addvspace{2.25em \@plus\p@}%
731     \setlength\@tempdima{3em}%

```



```

732 \begingroup
733 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
734 \parfillskip -\@pnumwidth
735 {\leavevmode
736 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
737 \nobreak
738 \if@compatibility
739 \global\@nobreaktrue
740 \everypar{\global\@nobreakfalse\everypar{}}%
741 \fi
742 \endgroup
743 \fi}
744 \renewcommand*\l@section[2]{%
745 \ifnum \c@tocdepth >\z@
746 \addpenalty\@secpenalty
747 \addvspace{1.0em \@plus\p@}%
748 \setlength\@tempdima{1.5em}%
749 \begingroup
750 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
751 \parfillskip -\@pnumwidth
752 \leavevmode \bfseries
753 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
754 \hskip -\if@RTL\rightskip\else\leftskip\fi
755 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
756 \endgroup
757 \fi}
758 \renewcommand\left@footnoterule{%
759 \kern-3\p@
760 \hrule\@width.4\columnwidth
761 \kern2.6\p@}
762 \renewcommand\right@footnoterule{%
763 \kern-3\p@
764 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
765 \kern2.6\p@}
766 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
767 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
768 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
769 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
770 \def\@part[#1]#2{%
771 \ifnum \c@secnumdepth >\m@ne
772 \refstepcounter{part}%
773 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
774 \else
775 \addcontentsline{toc}{part}{#1}%
776 \fi
777 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
778 \interlinepenalty \@M
779 \normalfont
780 \ifnum \c@secnumdepth >\m@ne
781 \Large\bfseries \partname\nobreakspace\thepart

```



```

782     \par\nobreak
783     \fi
784     \huge \bfseries #2%
785     \markboth{}{}\par}%
786     \nobreak
787     \vskip 3ex
788     \@afterheading}
789 \renewenvironment{thebibliography}[1]
790     {\section*{\refname}%
791     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
792     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
793     \list{\@biblabel{\@arabic\c@enumiv}}%
794         {\settowidth\labelwidth{\@biblabel{#1}}%
795         \leftmargin\labelwidth
796         \advance\leftmargin\labelsep
797         \@openbib@code
798         \usecounter{enumiv}%
799         \let\p@enumiv\@empty
800         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
801     \sloppy
802     \clubpenalty4000
803     \@clubpenalty \clubpenalty
804     \widowpenalty4000%
805     \sfcode`.\@m}
806     {\def\@noitemerr
807     {\@latex@warning{Empty `thebibliography' environment}}}%
808     \endlist}
809 \renewenvironment{theindex}
810     {\if@twocolumn
811     \@restonecolfalse
812     \else
813     \@restonecoltrue
814     \fi
815     \columnseprule \z@
816     \columnsep 35\p@
817     \twocolumn[\section*{\indexname}]%
818     \@mkboth{\MakeUppercase\indexname}%
819     {\MakeUppercase\indexname}%
820     \thispagestyle{plain}\parindent\z@
821     \parskip\z@ \@plus .3\p@\relax
822     \let\item\@idxitem}
823     {\if@restonecol\onecolumn\else\clearpage\fi}

```

## 7.11 artikel1-xetex-bidi.def

```

824 \ProvidesFile{artikel1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel1 class for X
825 \renewenvironment{theindex}{%
826     \if@twocolumn
827     \@restonecolfalse
828     \else

```



```

829 \restonecoltrue
830 \fi
831 \columnseprule \z@
832 \columnsep 35\p@
833 \twocolumn[\section*{\indexname}]%
834 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
835 \thispagestyle{plain}\parindent\z@
836 \parskip\z@ \@plus .3\p@\relax
837 \let\item\@idxitem
838 }{%
839 \if@restonecol\onecolumn\else\clearpage\fi}
840 \renewcommand*{\head@style}{%
841 \interlinepenalty \@M
842 \hyphenpenalty=\@M \exhyphenpenalty=\@M
843 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
844 \if@titlepage
845 \renewenvironment{abstract}{%
846 \titlepage
847 \null\vfil
848 \section*{\SectFont\abstractname}
849 \noindent\ignorespaces}
850 {\par\vfil\null\endtitlepage}
851 \else
852 \renewenvironment{abstract}{%
853 \if@twocolumn
854 \section*{\abstractname}%
855 \else
856 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
857 \section*{\small\SectFont\abstractname}%
858 \noindent\ignorespaces
859 \fi}
860 {\if@twocolumn\else\par\egroup\fi}
861 \fi
862 \renewcommand*{\@regtocline}[3]{%
863 \ifnum #1>\c@tocdepth
864 \else
865 \vskip\z@\@plus.2\p@
866 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
867 \if@RTL\rightskip\else\leftskip\fi\unitindent
868 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
869 \parfillskip\z@
870 \@tempdima\unitindent
871 \parindent\z@
872 \leavevmode
873 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
874 \hskip 1em \nobreak{\slshape #3}\par
875 }%
876 \fi}
877 \if@oldtoc
878 \renewcommand*{\l@part}[2]{%

```



```

879 \ifnum \c@tocdepth >-2\relax
880 \addpenalty\@secpenalty
881 \addvspace{2.25em \@plus\p@}%
882 \begingroup
883 \setlength\@tempdima{3em}%
884 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
885 \parfillskip -\@pnumwidth
886 {\leavevmode
887 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
888 \nobreak
889 \if@compatibility
890 \global\@nobreaktrue
891 \everypar{\global\@nobreakfalse\everypar{}}%
892 \fi
893 \endgroup
894 \fi}
895 \else
896 \renewcommand*\l@part{%
897 \ifnum \c@tocdepth >-2\relax
898 \addpenalty\@secpenalty
899 \addvspace{2.25em \@plus \p@}%
900 \@regtocline{0}%
901 \fi}
902 \fi
903 \if@oldtoc
904 \renewcommand*\l@section[2]{%
905 \addpenalty\@secpenalty
906 \addvspace{1.0em \@plus\p@}%
907 \setlength\@tempdima{1.5em}%
908 \begingroup
909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
910 \parfillskip -\@pnumwidth
911 \leavevmode \bfseries
912 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
913 \hskip -\if@RTL\rightskip\else\leftskip\fi
914 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
915 \endgroup}
916 \else
917 \renewcommand*\l@section{\@regtocline{1}}
918 \fi
919 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
920 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
921 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
922 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
923 \renewenvironment{thebibliography}[1]
924 {\section*\refname}%
925 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
926 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
927 \list{\@biblabel{\@arabic\c@enumiv}}%
928 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

929         \leftmargin\labelwidth
930         \advance\leftmargin\labelsep
931         \@openbib@code
932         \usecounter{enumiv}%
933         \let\p@enumiv\@empty
934         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
935     \sloppy\clubpenalty4000\widowpenalty4000%
936     \sfcode`.\@m}
937     {\def\@noitemerr
938      {\@latex@warning{Empty `thebibliography' environment}}}%
939     \endlist}
940 \renewcommand*\left@footnoterule{%
941   \kern-3\p@
942   \kern.5\baselineskip
943   \hrule\@width\unitindent
944   \kern.4\baselineskip
945 }
946 \renewcommand*\right@footnoterule{%
947   \kern-3\p@
948   \kern.5\baselineskip
949   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
950   \kern.4\baselineskip}
951 \if@titlepage
952 \renewcommand*\TitleFont{\rmfamily}
953 \renewcommand*\maketitle{%
954   \begin{titlepage}%
955     \let\footnotesize\small
956     \let\right@footnoterule\relax
957     \let\left@footnoterule\relax
958     \let\textwidth\footnoterule\relax
959     \let \footnote \thanks
960     \long\def\@makefnmark##1{\parindent\z@
961       \def\labelitemi{\textendash}\@revlabeltrue
962       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
963     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
964     \if@compatibility\setcounter{page}{0}\fi
965     \null\vfil
966     \vskip 60\p@
967     \begin{center}%
968       \TitleFont
969       {\LARGE \def\{\{\penalty -\@M}
970       \if@allcaps
971         \expandafter\uc@nothanks\@title\thanks\relax
972       \else
973         \@title
974       \fi\par}%
975     \vskip 3em%
976     {\large
977       \lineskip .75em \parindent\z@
978       \begin{tabular}[t]{c}%

```





```

979         \if@allcaps
980         \expandafter\uc@authornothanks\@author\and\relax
981         \else
982         \@author
983         \fi
984     \end{tabular}\par}%
985     \vskip 1.5em%
986     {\large
987     \if@allcaps
988     \uppercase\expandafter{\@date}%
989     \else
990     \@date
991     \fi\par}%
992     \end{center}\par
993     \@thanks
994     \vfil\null
995 \end{titlepage}%
996 \setcounter{footnote}{0}%
997 \global\let\thanks\relax
998 \global\let\maketitle\relax
999 \global\let\@thanks\@empty
1000 \global\let\@author\@empty
1001 \global\let\@title\@empty
1002 \global\let\@date\@empty
1003 \global\let\title\relax
1004 \global\let\author\relax
1005 \global\let\date\relax
1006 \global\let\and\relax
1007 }
1008 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1009 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1010     \futurelet\@tempa\uc@ax}
1011 \def\uc@ax{%
1012     \ifx\@tempa\relax
1013     \else
1014     \\\andname \\\expandafter\uc@authornothanks
1015     \fi}
1016 \def\uc@tx{\ifx\@tempa\relax
1017     \else \expandafter\uc@ty \fi}
1018 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1019 \else
1020 \renewcommand*\maketitle{\par
1021     \begin{group}
1022     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1023     \def\@makefnmark{\rlap{%
1024         \@textsuperscript{\normalfont\@thefnmark}}}%
1025     \long\def\@makefntext{\@xmakefntext{%
1026         \@textsuperscript{\normalfont\@thefnmark}}}%
1027     \if@twocolumn
1028         \ifnum \col@number=\@ne

```



```

1029         \@maketitle
1030     \else
1031         \twocolumn[\@maketitle]%
1032     \fi
1033 \else
1034     \newpage
1035     \global\@topnum\z@
1036     \@maketitle
1037 \fi
1038 \thispagestyle{plain}\@thanks
1039 \endgroup
1040 \setcounter{footnote}{0}%
1041 \global\let\thanks\relax
1042 \global\let\maketitle\relax
1043 \global\let\@maketitle\relax
1044 \global\let\@thanks\@empty
1045 \global\let\@author\@empty
1046 \global\let\@title\@empty
1047 \global\let\@date\@empty
1048 \global\let\title\relax
1049 \global\let\author\relax
1050 \global\let\date\relax
1051 \global\let\and\relax
1052 }
1053 \def\@maketitle{%
1054     \newpage
1055     \null
1056     \vskip 2em%
1057     \begin{center}%
1058         \let \footnote \thanks
1059         {\LARGE \TitleFont \@title \par}%
1060         \vskip 1.5em%
1061         {\large \TitleFont
1062             \lineskip .5em%
1063             \begin{tabular}[t]{c}%
1064                 \@author
1065             \end{tabular}\par}%
1066         \vskip 1em%
1067         {\large \TitleFont \@date}%
1068     \end{center}%
1069     \par
1070     \vskip 1.5em}
1071 \fi

```

## 7.12 artikel2-xetex-bidi.def

```

1072 \ProvidesFile{artikel2-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel2 class for X
1073 \renewenvironment{theindex}{%
1074     \if@twocolumn
1075         \@restonecolfalse

```



```

1076 \else
1077   \@restonecoltrue
1078 \fi
1079 \columnseprule \z@
1080 \columnsep 35\p@
1081 \twocolumn[\section*{\indexname}]%
1082 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1083 \thispagestyle{plain}\parindent\z@
1084 \parskip\z@ \@plus .3\p@\relax
1085 \let\item\@idxitem
1086 }{%
1087 \if@restonecol\onecolumn\else\clearpage\fi}
1088 \renewcommand*\@regtocline[3]{%
1089 \ifnum #1>\c@tocdepth
1090 \else
1091   \vskip\z@ \@plus .2\p@
1092   {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1093   \if@RTL\righskip\else\leftskip\fi\unitindent
1094   \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
1095   \parfillskip\z@
1096   \@tempdima\unitindent
1097   \advance\@tempdima by \othermargin
1098   \parindent\z@
1099   \leavevmode
1100   \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
1101   \hskip 1em \nobreak{\slshape #3}\par
1102   }%
1103 \fi}
1104 \if@oldtoc
1105 \renewcommand*\l@section[2]{%
1106   \addpenalty\@secpenalty
1107   \addvspace{1.0em \@plus\p@}%
1108   \setlength\@tempdima{1.5em}%
1109   \begingroup
1110   \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
1111   \parfillskip -\@pnumwidth
1112   \leavevmode \bfseries
1113   \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
1114   \hskip -\if@RTL\righskip\else\leftskip\fi
1115   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1116   \endgroup}
1117 \else
1118 \renewcommand*\l@section{\@regtocline{1}}
1119 \fi
1120 \if@oldtoc
1121 \renewcommand*\l@part[2]{%
1122 \ifnum \c@tocdepth >-2\relax
1123   \addpenalty\@secpenalty
1124   \addvspace{2.25em \@plus\p@}%
1125   \begingroup

```



```

1126 \setlength\@tempdima{3em}%
1127 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1128 \parfillskip -\@pnumwidth
1129 {\leavevmode
1130 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1131 \nobreak
1132 \if@compatibility
1133 \global\@nobreaktrue
1134 \everypar{\global\@nobreakfalse\everypar{}}%
1135 \fi
1136 \endgroup
1137 \fi}
1138 \else
1139 \renewcommand*\l@part{%
1140 \ifnum \c@tocdepth >-2\relax
1141 \addpenalty\@secpenalty
1142 \addvspace{2.25em \@plus \p@}%
1143 \@regtocline{0}%
1144 \fi}
1145 \fi
1146 \renewcommand*\head@style{%
1147 \interlinepenalty \@M
1148 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1149 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1150 \if@titlepage
1151 \renewenvironment{abstract}{%
1152 \titlepage
1153 \null\vfil
1154 \section*{\SectFont\abstractname}%
1155 \noindent\ignorespaces}
1156 {\par\vfil\null\endtitlepage}
1157 \else
1158 \renewenvironment{abstract}{%
1159 \if@twocolumn
1160 \section*{\abstractname}%
1161 \else
1162 \section*{\hspace\unitindent\small\SectFont\abstractname}%
1163 \list{}{\setlength\listparindent{\unitindent}%
1164 \setlength\parindent {\z@}%
1165 \setlength\leftmargin {\unitindent}%
1166 \setlength\rightmargin {\unitindent}%
1167 \setlength\parsep {\z@}}%
1168 \item[]%
1169 \fi}
1170 {\if@twocolumn\else\par\endlist\fi}
1171 \fi
1172 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1173 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1174 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1175 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

1176 \renewcommand*\left@footnoterule{%
1177   \kern-3\p@
1178   \hrule\@width 3\unitindent
1179   \kern 2.6\p@
1180 }
1181 \renewcommand*\right@footnoterule{%
1182   \kern-3\p@
1183   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
1184   \kern 2.6\p@}
1185 \renewenvironment{thebibliography}[1]
1186   {\section*{\refname}%
1187    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1188    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1189    \list{\@biblabel{\@arabic\c@enumiv}}{%
1190      {\settowidth\labelwidth{\@biblabel{#1}}%
1191       \leftmargin\labelwidth
1192       \advance\leftmargin\labelsep
1193       \@openbib@code
1194       \usecounter{enumiv}%
1195       \let\p@enumiv\@empty
1196       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1197     \sloppy\clubpenalty4000\widowpenalty4000%
1198     \sfcode`. \m}
1199     {\def\@noitemerr
1200      {\@latex@warning{Empty `thebibliography' environment}}%
1201      \endlist}
1202 \if@titlepage
1203 \renewcommand*\TitleFont{\rmfamily}
1204 \renewcommand*\maketitle{%
1205   \begin{titlepage}%
1206     \let\footnotesize\small
1207     \let\right@footnoterule\relax
1208     \let\left@footnoterule\relax
1209     \let\textwidth@footnoterule\relax
1210     \let\footnote\thanks
1211     \long\def\@makefnmark##1{\parindent\z@
1212      \def\labelitemi{\textendash}\@revlabeltrue
1213      \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1214     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1215     \if@compatibility\setcounter{page}{0}\fi
1216     \null\vfil
1217     \vskip 60\p@
1218     \begin{center}%
1219       \TitleFont
1220       {\LARGE \def\\{\penalty -\@M}
1221        \if@allcaps
1222          \expandafter\uc@nothanks\@title\thanks\relax
1223        \else
1224          \@title
1225        \fi\par}%

```



```

1226     \vskip 3em%
1227     {\large
1228       \lineskip .75em \parindent\z@
1229       \begin{tabular}[t]{c}%
1230         \if@allcaps
1231           \expandafter\uc@authornothanks\@author\and\relax
1232         \else
1233           \@author
1234         \fi
1235       \end{tabular}\par}%
1236     \vskip 1.5em%
1237     {\large
1238       \if@allcaps
1239         \uppercase\expandafter{\@date}%
1240       \else
1241         \@date
1242       \fi\par}%
1243     \end{center}\par
1244     \@thanks
1245     \vfil\null
1246   \end{titlepage}%
1247   \setcounter{footnote}{0}%
1248   \global\let\thanks\relax
1249   \global\let\maketitle\relax
1250   \global\let\@thanks\@empty
1251   \global\let\@author\@empty
1252   \global\let\@title\@empty
1253   \global\let\@date\@empty
1254   \global\let\title\relax
1255   \global\let\author\relax
1256   \global\let\date\relax
1257   \global\let\and\relax
1258 }
1259 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1260 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1261   \futurelet\@tempa\uc@ax}
1262 \def\uc@ax{%
1263   \ifx\@tempa\relax
1264   \else
1265     \\\andname \\\expandafter\uc@authornothanks
1266   \fi}
1267 \def\uc@tx{\ifx\@tempa\relax
1268   \else \expandafter\uc@ty \fi}
1269 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1270 \else
1271 \renewcommand*\maketitle{\par
1272   \begingroup
1273     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1274     \long\def\@makefnintext##1{\parindent\z@
1275       \def\labelitemi{\textendash}%

```



```

1276      \leavevmode\hb@xt@.5\unitindent{%
1277      \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1278  \if@twocolumn
1279      \ifnum \col@number=\@ne
1280          \@maketitle
1281      \else
1282          \twocolumn[\@maketitle]%
1283      \fi
1284  \else
1285      \newpage
1286      \global\@topnum\z@
1287      \@maketitle
1288  \fi
1289  \thispagestyle{plain}\@thanks
1290  \endgroup
1291  \setcounter{footnote}{0}%
1292  \global\let\thanks\relax
1293  \global\let\maketitle\relax
1294  \global\let\@maketitle\relax
1295  \global\let\@thanks\@empty
1296  \global\let\@author\@empty
1297  \global\let\@title\@empty
1298  \global\let\@date\@empty
1299  \global\let\title\relax
1300  \global\let\author\relax
1301  \global\let\date\relax
1302  \global\let\and\relax
1303  }
1304  \def\@maketitle{%
1305      \newpage
1306      \null
1307      \vskip 2em%
1308      \begin{center}%
1309          \let \footnote \thanks
1310          {\LARGE \TitleFont \@title \par}%
1311          \vskip 1.5em%
1312          {\large \TitleFont
1313              \lineskip .5em%
1314              \begin{tabular}[t]{c}%
1315                  \@author
1316              \end{tabular}\par}%
1317          \vskip 1em%
1318          {\large \TitleFont \@date}%
1319      \end{center}%
1320      \par
1321      \vskip 1.5em}
1322  \fi

```

## 7.13 artikel3-xetex-bidi.def



```

1323 \ProvidesFile{artikel3-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for artikel3 class for X
1324 \renewenvironment{theindex}{%
1325   \if@twocolumn
1326     \@restonecolfalse
1327   \else
1328     \@restonecoltrue
1329   \fi
1330   \columnseprule \z@
1331   \columnsep 35\p@
1332   \twocolumn[\section*{\indexname}]%
1333   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1334   \thispagestyle{plain}\parindent\z@
1335   \parskip\z@ \@plus .3\p@\relax
1336   \let\item\@idxitem
1337 }{%
1338   \if@restonecol\onecolumn\else\clearpage\fi}
1339 \renewcommand*{\head@style}{%
1340   \interlinepenalty \@M
1341   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1342   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1343 \renewcommand*{\regtocline}[3]{%
1344   \ifnum #1>\c@tocdepth
1345   \else
1346     \vskip\z@\@plus.2\p@
1347     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1348     \if@RTL\rightskip\else\leftskip\fi\unitindent
1349     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1350     \parfillskip\z@
1351     \@tempdima\unitindent
1352     \parindent\z@
1353     \leavevmode
1354     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1355     \hskip 1em \nobreak{\slshape #3}\par
1356   }%
1357   \fi}
1358 \if@oldtoc
1359 \renewcommand*{\l@part}[2]{%
1360   \ifnum \c@tocdepth >-2\relax
1361     \addpenalty\@secpenalty
1362     \addvspace{2.25em \@plus\p@}%
1363     \begingroup
1364       \setlength\@tempdima{3em}%
1365       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1366       \parfillskip -\@pnumwidth
1367       {\leavevmode
1368         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1369       \nobreak
1370       \if@compatibility
1371       \global\@nobreaktrue
1372       \everypar{\global\@nobreakfalse\everypar{}}%

```





```

1373     \fi
1374   \endgroup
1375 \fi}
1376 \else
1377   \renewcommand*\l@part{%
1378     \ifnum \c@tocdepth >-2\relax
1379     \addpenalty\@secpenalty
1380     \addvspace{2.25em \@plus \p@}%
1381     \@regtocline{0}%
1382   \fi}
1383 \fi
1384
1385 \if@oldtoc
1386 \renewcommand*\l@section[2]{%
1387   \addpenalty\@secpenalty
1388   \addvspace{1.0em \@plus \p@}%
1389   \setlength\@tempdima{1.5em}%
1390   \begingroup
1391   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1392   \parfillskip -\@pnumwidth
1393   \leavevmode \bfseries
1394   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1395   \hskip -\if@RTL\rightskip\else\leftskip\fi
1396   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1397   \endgroup}
1398 \else
1399   \renewcommand*\l@section{\@regtocline{1}}
1400 \fi
1401 \if@titlepage
1402   \renewenvironment{abstract}{%
1403     \titlepage
1404     \null\vfil
1405     \section*\SectFont\abstractname}%
1406     \noindent\ignorespaces}
1407   {\par\vfil\null\endtitlepage}
1408 \else
1409   \renewenvironment{abstract}{%
1410     \if@twocolumn
1411       \section*\abstractname}%
1412     \else
1413       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1414       \section*\small\SectFont\abstractname}%
1415       \noindent\ignorespaces
1416     \fi}
1417   {\if@twocolumn\else\par\egroup\fi}
1418 \fi
1419 \renewcommand*\left@footnoterule{%
1420   \kern-3\p@
1421   \kern.5\baselineskip
1422   \hrule\@width\unitindent

```



```

1423 \kern.4\baselineskip
1424 }
1425 \renewcommand*\right@footnoterule{%
1426 \kern-3\p@
1427 \kern.5\baselineskip
1428 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1429 \kern.4\baselineskip}
1430 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1431 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1432 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1433 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1434 \renewenvironment{thebibliography}[1]
1435 {
1436 \section*{\refname}%
1437 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1438 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1439 \list{\@biblabel{\@arabic\c@enumiv}}%
1440 {\settowidth\labelwidth{\@biblabel{#1}}%
1441 \leftmargin\labelwidth
1442 \advance\leftmargin\labelsep
1443 \openbib@code
1444 \usecounter{enumiv}%
1445 \let\p@enumiv\@empty
1446 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1447 \sloppy\clubpenalty4000\widowpenalty4000
1448 \sfcode`.\@m
1449 {\def\@noitemerr
1450 {\@latex@warning{Empty `thebibliography' environment}}%
1451 \endlist}
1452 \if@titlepage
1453 \renewcommand*\TitleFont{\rmfamily}
1454 \renewcommand*\maketitle{%
1455 \begin{titlepage}%
1456 \let\footnotesize\small
1457 \let\right@footnoterule\relax
1458 \let\left@footnoterule\relax
1459 \let\textwidth\footnoterule\relax
1460 \let\footnote\thanks
1461 \long\def\@makefnmark##1{\parindent\z@
1462 \def\labelitemi{\textendash}\@revlabeltrue
1463 \leavevmode\textsuperscript{\@thefnmark}\kern1em\relax ##1}
1464 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1465 \if@compatibility\setcounter{page}{0}\fi
1466 \null\vfil
1467 \vskip 60\p@
1468 \begin{center}%
1469 \TitleFont
1470 {\LARGE \def\{\{\penalty -\@M}
1471 \if@allcaps
1472 \expandafter\uc@nothanks\@title\thanks\relax

```



```

1473         \@title
1474         \fi\par}%
1475     \vskip 3em%
1476     {\large
1477         \lineskip .75em \parindent\z@
1478         \begin{tabular}[t]{c}%
1479             \if@allcaps
1480                 \expandafter\uc@authornothanks\@author\and\relax
1481             \else
1482                 \@author
1483             \fi
1484         \end{tabular}\par}%
1485     \vskip 1.5em%
1486     {\large
1487         \if@allcaps
1488             \uppercase\expandafter{\@date}%
1489         \else
1490             \@date
1491         \fi\par}%
1492     \end{center}\par
1493     \@thanks
1494     \vfil\null
1495 \end{titlepage}%
1496 \setcounter{footnote}{0}%
1497 \global\let\thanks\relax
1498 \global\let\maketitle\relax
1499 \global\let\@thanks\@empty
1500 \global\let\@author\@empty
1501 \global\let\@title\@empty
1502 \global\let\@date\@empty
1503 \global\let\title\relax
1504 \global\let\author\relax
1505 \global\let\date\relax
1506 \global\let\and\relax
1507 }
1508 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1509 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1510     \futurelet\@tempa\uc@ax}
1511 \def\uc@ax{%
1512     \ifx\@tempa\relax
1513     \else
1514         \\\andname \\\expandafter\uc@authornothanks
1515     \fi}
1516 \def\uc@tx{\ifx\@tempa\relax
1517     \else \expandafter\uc@ty \fi}
1518 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1519 \else
1520 \renewcommand*\maketitle{\par
1521     \begingroup
1522     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```



```

1523 \def\@makefnmark{\rlap{%
1524 \textsuperscript{\normalfont\@thefnmark}}}%
1525 \long\def\@makefntext{\@xmakefntext{%
1526 \textsuperscript{\normalfont\@thefnmark}}}%
1527 \if@twocolumn
1528 \ifnum \col@number=\@ne
1529 \maketitle
1530 \else
1531 \twocolumn[\maketitle]%
1532 \fi
1533 \else
1534 \newpage
1535 \global\@topnum\z@
1536 \maketitle
1537 \fi
1538 \thispagestyle{plain}\@thanks
1539 \endgroup
1540 \setcounter{footnote}{0}%
1541 \global\let\thanks\relax
1542 \global\let\maketitle\relax
1543 \global\let\@maketitle\relax
1544 \global\let\@thanks\@empty
1545 \global\let\@author\@empty
1546 \global\let\@title\@empty
1547 \global\let\@date\@empty
1548 \global\let\title\relax
1549 \global\let\author\relax
1550 \global\let\date\relax
1551 \global\let\and\relax
1552 }
1553 \def\@maketitle{%
1554 \newpage
1555 \null
1556 \vskip 2em%
1557 \if@titlecentered
1558 \begin{center}%
1559 \let \footnote \thanks
1560 {\LARGE \TitleFont \@title \par}%
1561 \vskip 1.5em%
1562 {\large \TitleFont
1563 \lineskip .5em%
1564 \begin{tabular}[t]{c}%
1565 \@author
1566 \end{tabular}\par}%
1567 \vskip 1em%
1568 {\large \TitleFont \@date}%
1569 \end{center}%
1570 \else
1571 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1572 {\large \TitleFont \lineskip .5em \tabcolsep\z@

```



```

1573         \def\and{%% \begin{tabular} has already started
1574             \end{tabular}\hskip 1em plus .17fil
1575             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
1576             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1577     \vskip 1em {\large \TitleFont \@date}
1578 \fi
1579 \par
1580 \vskip 1.5em}
1581 \fi

```

## 7.14 arydshln-xetex-bidi.def

```

1582 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1583 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1584 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1585 \expandafter\let\csname endtabular*\endcsname\endtabular
1586 \let\adl@array\@array
1587 \def\@array{\adl@everyvbox\everyvbox
1588     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1589     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1590     \let\adl@noalign\noalign
1591     \adl@array}
1592 \ifadl@usingarypkg
1593 \def\@testpach{\@chclass
1594     \ifnum \@lastchclass=6 \one \chnum \one \else
1595     \ifnum \@lastchclass=7 5 \else
1596     \ifnum \@lastchclass=8 \tw@ \else
1597     \ifnum \@lastchclass=9 \thr@@
1598     \else \z@
1599     \ifnum \@lastchclass = 10 \else
1600     \edef\@nextchar{\expandafter\string\@nextchar}%
1601     \@chnum
1602     \if \@nextchar c\z@ \else
1603     \if \@nextchar \if@RTLtab r\else l\fi\one \else
1604     \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1605     \z@ \@chclass
1606     \if \@nextchar \|\one \let\@arrayrule\adl@arrayrule \else
1607     \if \@nextchar : \one \let\@arrayrule\adl@arraydashrule \else
1608     \if \@nextchar ; \one \let\@arrayrule\adl@argarraydashrule \else
1609     \if \@nextchar !6 \else
1610     \if \@nextchar @7 \else
1611     \if \@nextchar <8 \else
1612     \if \@nextchar >9 \else
1613     10
1614     \@chnum
1615     \if \@nextchar m\thr@@\else
1616     \if \@nextchar p4 \else
1617     \if \@nextchar b5 \else
1618     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1619     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```



```

1620
1621 \def\@classz{\@classx
1622   \@tempcnta \count@
1623   \prepnext@tok
1624   \@addtopreamble{\ifcase \@chnum
1625     \hfil
1626     \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1627     \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1628     \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1629     \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1630     \adl@endmbox\or
1631     \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1632     \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1633     \fi}\prepnext@tok}
1634 \def\adl@class@start{4}
1635 \def\adl@class@iiiorvii{7}
1636
1637 \else
1638 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1639   \ifnum \@lastchclass=\thr@@ 5\relax \else
1640     \z@ \if #1c\@chnum \z@ \else
1641       \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1642       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1643       \@chclass
1644       \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1645       \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1646       \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1647       \if #1@\tw@ \else
1648       \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1649     \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1650
1651 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1652   \or \or \@addamp \or
1653   \@acolampacol \or \@firststampfalse \@acol \fi
1654   \edef\@preamble{\@preamble
1655     \ifcase \@chnum
1656       \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1657       \or \adl@putlrc{\$relax\@sharp$}\hfil
1658       \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1659 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1660   \or \or \@addamp \or
1661   \@acolampacol \or \@firststampfalse \@acol \fi
1662   \edef\@preamble{\@preamble
1663     \ifcase \@chnum
1664       \hfil\adl@putlrc{\@sharp\unskip}\hfil
1665       \or \adl@putlrc{\@sharp\unskip}\hfil
1666       \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1667 \def\adl@class@start{6}
1668 \def\adl@class@iiiorvii{3}
1669 \fi

```



```

1670 \ifpackageloaded{colortbl}{%
1671 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1672 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1673 \let\@endpbox\adl@org@endpbox}
1674 \let\adl@CT@setup\CT@setup
1675 \def\CT@setup{\adl@CT@setup
1676 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1677 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1678 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1679 \let\adl@act@CT@setup\CT@setup
1680 \def\@classz{\@classx
1681 \@tempcnta\count@ \prepnext@tok
1682 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1683 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1684 \expandafter\adl@extract@drsc
1685 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1686 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1687 \@addtopreamble{\if@RTL\beginL\fi%
1688 \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1689 \ifcase \@chnum
1690 \hskip\stretch{.5}\kern\z@
1691 \d@llarbegin
1692 \insert@column
1693 \d@llarend\hskip\stretch{.5}%
1694 \or \d@llarbegin \insert@column \d@llarend \hfill
1695 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1696 \or $\vcenter
1697 \@startpbox{\@nextchar}\insert@column \@endpbox $%
1698 \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1699 \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1700 \fi
1701 \if@RTL\endR\fi\egroup\egroup
1702 \begingroup
1703 \CT@setup
1704 \CT@column@color
1705 \CT@row@color
1706 \CT@cell@color
1707 \CT@do@color
1708 \endgroup
1709 \@tempdima\ht\z@
1710 \advance\@tempdima\minrowclearance
1711 \vrule\@height\@tempdima\@width\z@
1712 \unhbox\z@\if@RTL\endL\fi}%
1713 \prepnext@tok}
1714 \let\adl@act@classz\@classz
1715 \let\adl@org@classz\@classz
1716 }{}

```

## 7.15 bidi.sty



```

1717 \NeedsTeXFormat{LaTeX2e}
1718 \def\bididate{2016/09/09}
1719 \def\bidiversion{v19.7}
1720 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1721 Bidirectional typesetting in plain TeX and LaTeX]
1722 \edef\@bidi@info{*****~J%
1723 * ~J%
1724 * bidi package (Bidirectional typesetting in~J%
1725 * plain TeX and LaTeX, using XeTeX engine)~J%
1726 * ~J%
1727 * Description: A convenient interface for~J%
1728 * typesetting bidirectional texts in plain TeX~J%
1729 * and LaTeX. The package includes adaptations~J%
1730 * for use with many other commonly-used packages.~J%
1731 * ~J%
1732 * Copyright (c) 2009--2016 Vafa Khalighi~J%
1733 * ~J%
1734 * \bididate, \bidiversion~J%
1735 * ~J%
1736 * License: LaTeX Project Public License, version~J%
1737 * 1.3c or higher (your choice)~J%
1738 * ~J%
1739 * Location on CTAN: /macros/xetex/latex/bidi~J%
1740 * ~J%
1741 * Issue tracker: https://sourceforge.net/p/persian-tex/tickets~J%
1742 * ~J%
1743 * Support: persian-tex@tug.org~J%
1744 *****}
1745 \typeout{\@bidi@info}
1746 \edef\@bidi@everyjob{\the\everyjob}
1747 \everyjob{\@bidi@everyjob\typeout{\@bidi@info}}
1748 \RequirePackage{iftex}
1749 \RequireXeTeX
1750 \RequirePackage{biditools}
1751 \RequirePackage{zref-abspace}
1752 \RequirePackage{auxhook}
1753 \RequirePackage{ltxcmds}
1754 \RequirePackage{xkeyval}
1755 \eqnewif{\if@RTLmain}{\if@rlmain}
1756 \eqnewif{\if@RTL}{\if@rl}
1757 \newif\if@Latin
1758 \eqnewif{\if@RTLtab}{\if@tab@rl}
1759 \newif\if@RTLmarginpar
1760 \newif\if@LTRmarginpar
1761 \newif\if@LTRbibitems
1762 \newif\if@RTLbibitems
1763 \newif\if@extrafootnotefeatures
1764 \newif\if@parafootRTL
1765 \newif\if@RTLcolumnfootnotes
1766 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}

```





```

1767 \newif\if@bidi@list@minipage@parbox
1768 \newif\if@bidi@list@minipage@parbox@not@nob
1769 \@RTLmainfalse
1770 \AtBeginDocument{%
1771   \if@RTLmain\else
1772     \if@RTL\@RTLmaintrue%
1773     \else\@RTLmainfalse%
1774     \fi%
1775   \fi%
1776 }
1777 \let\n@xt=\
1778 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1779 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1780 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1781 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1782 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1783   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1784 \input{latex-xetex-bidi.def}
1785 \input{loadingorder-xetex-bidi.def}
1786 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1787   \ifcase\bidi@tempb\relax
1788     \@RTLtrue
1789   \or
1790     \@RTLfalse
1791   \fi}
1792 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1793   \ifcase\bidi@tempb\relax
1794     \@RTLtrue
1795   \or
1796     \@RTLfalse
1797   \fi}
1798 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1799   \ifcase\bidi@tempb\relax
1800     \autofootnoterule
1801   \or
1802     \leftfootnoterule
1803   \or
1804     \rightfootnoterule
1805   \or
1806     \SplitFootnoteRule
1807   \or
1808     \textwidthfootnoterule
1809   \fi}
1810 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1811   \ifcase\bidi@tempb\relax
1812     \@RTL@footnotetrue
1813   \or
1814     \@RTL@footnotefalse
1815   \fi}
1816 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%

```



```

1817 \ifcase\bidit@tempb\relax
1818   \footdir@debugtrue
1819 \or
1820   \footdir@debugfalse
1821 \fi}
1822 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1823   \ifcase\bidit@tempb\relax
1824     \@extrafootnotefeaturestrue
1825 \or
1826     \@extrafootnotefeaturesfalse
1827 \fi}
1828
1829 \ProcessOptionsX
1830
1831 \if@extrafootnotefeatures
1832   \input{extrafootnotefeatures-xetex-bidi.def}
1833 \fi
1834 \newcount\bidi@digits
1835 \XeTeXinterchartokenstate=\@ne
1836 \newXeTeXintercharclass\bidi@digits@charclass
1837 \newXeTeXintercharclass\bidi@dot@charclass
1838 \XeTeXcharclass `\. \bidi@dot@charclass
1839 \bidi@digits=\@O \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1840 \bidi@digits=\@ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1841 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dot@charclass = {\DigitsDotInterCharToks}
1842 \XeTeXinterchartoks \bidi@dot@charclass \bidi@digits@charclass = {\DigitsDotInterCharToks}
1843 \newcommand*{\DigitsDotInterCharToks}{\if@Latin\else\char"200F \fi}

```

## 7.16 bidi.tex

```

1844 \def\bididate{2015/10/16}
1845 \def\bidiversion{v0.3}
1846 \catcode`\@=11
1847 \let \protect \relax
1848 \newlinechar`\^^J
1849 \edef\@bidi@info{*****~J%
1850 * ~J%
1851 * bidi package (Bidirectional typesetting in~J%
1852 * plain TeX and LaTeX, using XeTeX engine)~J%
1853 * ~J%
1854 * Description: A convenient interface for~J%
1855 * typesetting bidirectional texts in plain TeX~J%
1856 * and LaTeX. The package includes adaptations~J%
1857 * for use with many other commonly-used packages.~J%
1858 * ~J%
1859 * Copyright (c) 2009--2015 Vafa Khalighi~J%
1860 * ~J%
1861 * \bididate, \bidiversion~J%
1862 * ~J%
1863 * License: LaTeX Project Public License, version~J%

```



```

1864 * 1.3c or higher (your choice)^^J%
1865 * ^^J%
1866 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1867 * ^^J%
1868 * Issue tracker: https://sourceforge.net/p/persian-tex/tickets^^J%
1869 * ^^J%
1870 * Support: persian-tex@tug.org^^J%
1871 *****}
1872 \message{\@bidi@info}
1873 \edef\bidi@everyjob{\the\everyjob}
1874 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1875 \input iftex.sty
1876 \RequireXeTeX
1877 \newif\if@RTLmain
1878 \newif\if@RTL
1879 \newif\if@sentedir
1880 \newif\if@RTL@footnote
1881 \@RTLmainfalse
1882 \def\setRTLmain{%
1883   \if@RTLmain\else
1884     \if@RTL\@RTLmaintrue%
1885     \else\@RTLmainfalse%
1886     \fi%
1887   \fi%
1888 }
1889 \let\n@xt=
1890 \protected\def\LRE{\protect\pLRE}%
1891 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1892 \protected\def\RLE{\protect\pRLE}
1893 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1894 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1895   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1896 \input plain-xetex-bidi.def
1897 \catcode`@=12

```

## 7.17 bidi2in1.sty

```

1898 \NeedsTeXFormat{LaTeX2e}
1899 \ProvidesPackage{bidi2in1}
1900 \pagestyle{plain}
1901 \newcount\evenpage
1902 \newcount\oddpag
1903 \twocolumn
1904 \def\@oddfoot{\evenpage=\thepage%
1905 \multiply\evenpage by 2%
1906 \oddpag=\the\evenpage%
1907 \advance\oddpag by -1%
1908 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
1909 \def\@evenfoot{\evenpage=\thepage%
1910 \multiply\evenpage by 2%

```



```

1911 \oddpaper=\the\evenpage%
1912 \advance\oddpaper by -1%
1913 \hfil\the\oddpaper\hfil\hfil\the\evenpage\hfil}%
1914 \textwidth 9.49in
1915 \textheight 6.7in
1916 \columnsep 0.9in
1917 \columnseprule 0.125pt
1918 \headheight 0cm
1919 \topmargin 0in
1920 \marginparwidth 0in
1921 \marginparsep 0in
1922 \hoffset 0.05in % Corrected
1923 \voffset -0.5in %top margin space is 1.0in by default
1924 \oddsidemargin 0in
1925 \evensidemargin 0in
1926 \headsep 0cm
1927 \topskip 0cm
1928 \parskip 0.15in %
1929 \headsep 0pt
1930 \special{papersize=11.69in,8.26in}
1931 \renewcommand\maketitle{\par
1932 \begingroup
1933 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1934 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1935 \long\def\@makefnmark##1{\parindent 1em\noindent
1936 \hb@xt@1.8em{%
1937 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1938 \@maketitle
1939 \@thanks
1940 \endgroup
1941 \setcounter{footnote}{0}%
1942 \global\let\thanks\relax
1943 \global\let\maketitle\relax
1944 \global\let\@maketitle\relax
1945 \global\let\@thanks\@empty
1946 \global\let\@author\@empty
1947 \global\let\@date\@empty
1948 \global\let\@title\@empty
1949 \global\let\title\relax
1950 \global\let\author\relax
1951 \global\let\date\relax
1952 \global\let\and\relax
1953 }

```

## 7.18 bidicode.sty

```

1954 \NeedsTeXFormat{LaTeX2e}
1955 \ProvidesPackage{bidicode}
1956 \RequirePackage{xcolor}
1957 \RequirePackage{showexpl}

```



```

1958 \definecolor{hellgelb}{rgb}{1,1,0.85}
1959 \definecolor{colKeys}{rgb}{0,0,1}
1960 \definecolor{colIdentifier}{rgb}{0,0,0}
1961 \definecolor{colComments}{rgb}{1,0,0}
1962 \definecolor{colString}{rgb}{0,0.5,0}
1963 \lstset{
1964     language=[LaTeX]TEX,
1965     float=hb,
1966     basicstyle=\ttfamily\small,
1967     identifierstyle=\color{colIdentifier},
1968     keywordstyle=\color{colKeys},
1969     stringstyle=\color{colString},
1970     commentstyle=\color{colComments},
1971     columns=flexible,
1972     tabsize=4,
1973     gobble =1,
1974     extendedchars=true,
1975     showspaces=false,
1976     showstringspaces=false,
1977     numbers=left,
1978     numbersep=0.9em,
1979     numberstyle=\tiny, %
1980     frame=single,
1981     captionpos=b,
1982     xleftmargin=1em,
1983     breaklines=true,
1984     breakautoindent=false,
1985     breakindent=0pt,
1986     escapeinside=**,
1987     pos=r,
1988     explpreset={%
1989     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1990     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1991 }
1992 \newcommand\HLON{%
1993     \gdef\lst@alloverstyle##1{%
1994         \fboxrule=0pt
1995         \fboxsep=0pt
1996         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1997     }}
1998 \newcommand\HLOFF{%
1999     \xdef\lst@alloverstyle##1{##1}%
2000 }
2001 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
2002 \newcommand\Larga[1]{\${\langle$\Larg{#1}$\rangle$}
2003 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2004 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2005 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2006 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
2007 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}

```



```

2008
2009 \DeclareRobustCommand\bs{{\normalfont\ttfamily\symbol{92}}}}
2010 \DeclareRobustCommand\lcb{{\normalfont\ttfamily\char`\{}}
2011 \DeclareRobustCommand\rcb{{\normalfont\ttfamily\char`\}}}}
2012 \DeclareRobustCommand\lsb{{\normalfont\ttfamily[]}}
2013 \DeclareRobustCommand\rsb{{\normalfont\ttfamily[]}}
2014 \DeclareRobustCommand\lrb{{\normalfont\ttfamily{}}}
2015 \DeclareRobustCommand\rrb{{\normalfont\ttfamily{}}}
2016
2017 \def\Lcs#1{\nxLcs{#1}}
2018 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2019 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2020
2021 \def\Coordx#1{$x_{#1}$}
2022 \def\Coordy#1{$y_{#1}$}
2023 \def\Coordz#1{$z_{#1}$}
2024 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2025 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2026 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2027 \def\CAny{\Coordx{}},\kern 1pt\Coordy{}
2028 \def\CIIIAny{\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}
2029 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2030 \def\coordin{(\Coordx{n},\kern 1pt\Coordy{n})}
2031 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2032 \def\coordx#1{($x_{#1}$)}
2033 \def\coordy#1{($y_{#1}$)}
2034 \def\coordz#1{($z_{#1}$)}
2035 \def\cAny{(\Coordx{}},\kern 1pt\Coordy{}}
2036 \def\ciiAny{(\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}}
2037
2038 \newsavebox{\boxdef}
2039 \newenvironment{BDef}
2040   {\begin{lrbox}\boxdef
2041     \def\arraystretch{1.0}
2042     \begin{tabular}{@{}l@{}l@{}l@{}}
2043   }
2044   {\end{tabular}\end{lrbox}}
2045
2046   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2047   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2048 }
2049
2050 \newenvironment{BDef*}
2051   {\begin{lrbox}\boxdef
2052     \def\arraystretch{1.0}
2053     \begin{tabular}{@{}l@{}l@{}l@{}}
2054   }
2055   {\end{tabular}\end{lrbox}}
2056   {\begin{BCmd*}\fbbox{\usebox\boxdef}\endBCmd*}}
2057   \aftergroup\@afterindentfalse\aftergroup\@afterheading

```



```

2058 }
2059 \newenvironment{BCmd}{
2060   \@beginparpenalty-\@lowpenalty
2061   \topsep\BDefaboveskip
2062   \fbboxsep3pt
2063   \flushleft}
2064 {\@endparpenalty\@M
2065   \@topsepadd\BDefbelowskip
2066   \endflushleft}
2067
2068 \newenvironment{BCmd*}{
2069   \@beginparpenalty\@M
2070   \topsep\BDefinlineskip
2071   \fbboxsep3pt
2072   \flushleft}
2073 {\@endparpenalty5000
2074   \endflushleft}
2075
2076 \newskip\BDefaboveskip
2077 \newskip\BDefbelowskip
2078 \newskip\BDefinlineskip
2079 \setlength\BDefaboveskip{10pt plus 4pt}
2080 \setlength\BDefbelowskip{6pt}
2081 \setlength\BDefinlineskip{6pt}
2082
2083 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2084 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2085 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2086 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

## 7.19 bidiftnxtra.sty

```

2087 \NeedsTeXFormat{LaTeX2e}
2088 \ProvidesPackage{bidiftnxtra}
2089 \newtoks\bidi@p@ftn
2090 \let\FN@sff@footnote\footnote
2091 \let\FN@sff@LTRfootnote\LTRfootnote
2092 \let\FN@sff@RTLfootnote\RTLfootnote
2093 \def\footnote{\ifx\protect\@typeset@protect
2094   \expandafter\FN@sff@footnote
2095   \else
2096     \expandafter\FN@sff@gobble@opt
2097   \fi
2098 }
2099 \def\LTRfootnote{\ifx\protect\@typeset@protect
2100   \expandafter\FN@sff@LTRfootnote
2101   \else
2102     \expandafter\FN@sff@gobble@opt
2103   \fi
2104 }

```



```

2105 \def\RTLfootnote{\ifx\protect\@typeset@protect
2106   \expandafter\FN@sfi@RTLfootnote
2107   \else
2108     \expandafter\FN@sfi@gobble@opt
2109   \fi
2110 }
2111 \edef\FN@sfi@gobble@opt{\noexpand\protect
2112   \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
2113 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
2114   \@ifnextchar[%]
2115     \FN@sfi@gobble@twobrace
2116     \@gobble
2117 }
2118 \def\FN@sfi@gobble@twobrace[#1]#2{
2119   \let\FN@sfi@footnotemark\footnotemark
2120 \def\footnotemark{\ifx\protect\@typeset@protect
2121   \expandafter\FN@sfi@footnotemark
2122   \else
2123     \expandafter\FN@sfi@gobble@optonly
2124   \fi
2125 }
2126 \edef\FN@sfi@gobble@optonly{\noexpand\protect
2127   \expandafter\noexpand\csname FN@sfi@gobble@optonly \endcsname}
2128 \expandafter\def\csname FN@sfi@gobble@optonly \endcsname{%
2129   \@ifnextchar[%]
2130     \FN@sfi@gobble@brace
2131     {}%
2132 }
2133 \def\FN@sfi@gobble@brace[#1]{
2134 \def\@tabular{\ifRTL\global\@RTLtabtrue\fi
2135   \leavevmode \hbox \bgroup
2136   \let\@footnotetext\@bidi@p@ftntext
2137   \let\@LTRfootnotetext\@bidi@p@LTRftntext
2138   \let\@RTLfootnotetext\@bidi@p@RTLftntext
2139   \let\@xfootnotenext\@bidi@p@xftntext
2140   \let\@xfootnote\@bidi@p@xfootnote
2141   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2142   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2143   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2144   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2145   \ifRTLtab\beginR \fi
2146   $\let\@acol\@tabacol
2147   \let\@classz\@tabclassz
2148   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2149 \def\endtabular{\crr\egroup\ifRTLtab\egroup\endR\egroup\fi
2150   \egroup $\ifRTLtab\endR\fi\egroup
2151   \ifx\@capytype\@undefined
2152     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
2153     \global\@RTLtabfalse}
2154 \long\def\@bidi@p@ftntext#1{%

```





```

2155 \edef\@tempy{\the\bidip@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
2156 \global\bidip@ftn\expandafter{\@tempy{#1}}}%
2157 \long\def\bidip@LTRftntext#1{%
2158 \edef\@tempyi{\the\bidip@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
2159 \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
2160 \long\def\bidip@RTLftntext#1{%
2161 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
2162 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
2163
2164
2165 \long\def\bidip@xftntext[#1]#2{%
2166 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
2167
2168 \long\def\bidip@xLTRftntext[#1]#2{%
2169 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
2170
2171 \long\def\bidip@xRTLftntext[#1]#2{%
2172 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
2173
2174
2175 \def\bidip@xfootnote[#1]{%
2176 \begingroup
2177 \csname c@\mpfn\endcsname #1\relax
2178 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2179 \endgroup
2180 \@footnotemark\bidip@xftntext[#1]}
2181
2182
2183 \def\bidip@xLTRfootnote[#1]{%
2184 \begingroup
2185 \csname c@\mpfn\endcsname #1\relax
2186 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2187 \endgroup
2188 \@footnotemark\bidip@xLTRftntext[#1]}
2189
2190
2191 \def\bidip@xRTLfootnote[#1]{%
2192 \begingroup
2193 \csname c@\mpfn\endcsname #1\relax
2194 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2195 \endgroup
2196 \@footnotemark\bidip@xRTLftntext[#1]}
2197
2198 \def\@xfloat #1[#2]{%
2199 \@nodocument
2200 \def \@captype {#1}%
2201 \def \@fps {#2}%
2202 \@onelevel@sanitize \@fps
2203 \def \reserved@b {!}%
2204 \ifx \reserved@b \@fps

```



```

2205     \@fpsadddefault
2206 \else
2207     \ifx \@fps \@empty
2208     \@fpsadddefault
2209     \fi
2210 \fi
2211 \ifhmode
2212     \@bsphack
2213     \@floatpenalty -\@Mii
2214 \else
2215     \@floatpenalty-\@Miii
2216 \fi
2217 \ifinner
2218     \@parmoderr\@floatpenalty\z@
2219 \else
2220     \@next\@currbox\@freelist
2221     {%
2222     \@tempcnta \sixt@@n
2223     \expandafter \@tfor \expandafter \reserved@a
2224     \expandafter :\expandafter =\@fps
2225     \do
2226     {%
2227         \if \reserved@a h%
2228             \ifodd \@tempcnta
2229             \else
2230                 \advance \@tempcnta \@ne
2231             \fi
2232         \fi
2233         \if \reserved@a t%
2234             \@setfpsbit \tw@
2235         \fi
2236         \if \reserved@a b%
2237             \@setfpsbit 4%
2238         \fi
2239         \if \reserved@a p%
2240             \@setfpsbit 8%
2241         \fi
2242         \if \reserved@a !%
2243             \ifnum \@tempcnta>15
2244                 \advance\@tempcnta -\sixt@@n\relax
2245             \fi
2246         \fi
2247     }%
2248     \@tempcntb \csname ftype@\@capytype \endcsname
2249     \multiply \@tempcntb \@xxxii
2250     \advance \@tempcnta \@tempcntb
2251     \global \count\@currbox \@tempcnta
2252     }%
2253     \@fltovf
2254 \fi

```



```

2255 \global \setbox\@currbox
2256 \color@vbox
2257 \normalcolor
2258 \vbox \bgroup
2259 \let\@footnotetext\@bidi@p@ftntext
2260 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2261 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2262 \let\@xfootnotenext\@bidi@p@xftntext
2263 \let\@xfootnote\@bidi@p@xfootnote
2264 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2265 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2266 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2267 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2268 \hsize\columnwidth
2269 \@parboxrestore
2270 \@floatboxreset
2271 }
2272 \def \endfloatbox{%
2273 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
2274 \minipagefalse
2275 \outer@nobreak
2276 \egroup %% end of vbox
2277 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2278 \color@endbox
2279 }

```

## 7.20 bidi-longtable.sty

```

2280 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2281 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2282 \par
2283 \ifx\multicols\@undefined
2284 \else
2285 \ifnum\col@number>\@ne
2286 \@twocolumntrue
2287 \fi
2288 \fi
2289 \if@twocolumn
2290 \LT@err{longtable not in 1-column mode}\@ehc
2291 \fi
2292 \begingroup
2293 \@ifnextchar[\LT@array{\LT@array[x]}}
2294 \def\endlongtable{%
2295 \crr
2296 \noalign{%
2297 \let\LT@entry\LT@entry@chop
2298 \xdef\LT@save@row{\LT@save@row}}%
2299 \LT@echunk
2300 \LT@start
2301 \unvbox\z@

```



```

2302 \LT@get@widths
2303 \if@filesw
2304   {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2305     \gdef\expandafter\noexpand
2306       \csname LT@\romannumeral\c@LT@tables\endcsname
2307         {\LT@save@row}}}%
2308 \fi
2309 \ifx\LT@save@row\LT@save@row
2310 \else
2311   \LT@warn{Column \width s have changed\MessageBreak
2312     in table \thetable}%
2313   \LT@final@warn
2314 \fi
2315 \endgraf\penalty -\LT@end@pen
2316 \endgroup
2317 \global\@mparbottom\z@
2318 \pagegoal\vsizel
2319 \endgraf\penalty\z@\addvspace\LTpost
2320 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2321 \def\LT@output{%
2322   \ifnum\outputpenalty <-\@Mi
2323     \ifnum\outputpenalty > -\LT@end@pen
2324       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2325     \else
2326       \setbox\z@\vbox{\unvbox\@cclv}%
2327       \ifdim \ht\LT@lastfoot>\ht\LT@foot
2328         \dimen@ \pagegoal
2329         \advance\dimen@-\ht\LT@lastfoot
2330         \ifdim\dimen@<\ht\z@
2331           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2332           \makecol
2333           \outputpage
2334           \setbox\z@\vbox{\box\LT@head}%
2335         \fi
2336       \fi
2337       \global\@colroom\@colht
2338       \global\vsizel\@colht
2339       \vbox
2340         {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastfoot\fi}}
2341       \fi
2342     \else
2343       \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLtab\endR\fi}}
2344       \makecol
2345       \outputpage
2346       \global\vsizel\@colroom
2347       \copy\LT@head\nobreak
2348     \fi}

```

## 7.21 **bidimoderncv.cls**



```

2349 \NeedsTeXFormat{LaTeX2e}
2350 \ProvidesClass{bidimoderncv}
2351 \newif\if@DEBUG\@DEBUGfalse
2352 \DeclareOption{a4paper}{
2353   \setlength\paperheight{297mm}
2354   \setlength\paperwidth{210mm}}
2355 \DeclareOption{a5paper}{
2356   \setlength\paperheight{210mm}
2357   \setlength\paperwidth{148mm}}
2358 \DeclareOption{b5paper}{
2359   \setlength\paperheight{250mm}
2360   \setlength\paperwidth{176mm}}
2361 \DeclareOption{letterpaper}{
2362   \setlength\paperheight{11in}
2363   \setlength\paperwidth{8.5in}}
2364 \DeclareOption{legalpaper}{
2365   \setlength\paperheight{14in}
2366   \setlength\paperwidth{8.5in}}
2367 \DeclareOption{executivepaper}{
2368   \setlength\paperheight{10.5in}
2369   \setlength\paperwidth{7.25in}}
2370 \DeclareOption{landscape}{
2371   \setlength\@tempdima{\paperheight}
2372   \setlength\paperheight{\paperwidth}
2373   \setlength\paperwidth{\@tempdima}}
2374 \newcommand\@ptsizes{
2375 \DeclareOption{10pt}{\renewcommand\@ptsizes{0}}
2376 \DeclareOption{11pt}{\renewcommand\@ptsizes{1}}
2377 \DeclareOption{12pt}{\renewcommand\@ptsizes{2}}
2378 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2379 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2380 \newif\if@colour\@colourtrue
2381 \DeclareOption{nocolour}{\@colourfalse}
2382 \ExecuteOptions{a4paper,11pt,colour,final}
2383 \ProcessOptions\relax
2384 \input{size1\@ptsizes.clo}
2385 \RequirePackage{color}
2386 \RequirePackage{graphicx}
2387 \RequirePackage{ifthen}
2388 \RequirePackage{marvosym}
2389 \addtolength{\oddsidemargin}{-54pt}
2390 \addtolength{\textwidth}{109pt}
2391 \addtolength{\topmargin}{-70pt}
2392 \addtolength{\textheight}{122pt}
2393 \addtolength{\marginparsep}{-5pt}
2394 \addtolength{\marginparwidth}{-10pt}
2395 \RequirePackage{url}
2396 \RequirePackage{hyperref}
2397 \hypersetup{
2398   breaklinks,

```



```

2399 baseurl      = http://,%
2400 pdfborder     = 0 0 0,%
2401 pdfpagemode   = UseNone,%
2402 pdfstartpage  = 1}
2403 \AtEndOfClass{%
2404   \AtBeginDocument{%
2405     \hypersetup{%
2406       pdfauthor      = \@firstname~\@familyname,%
2407       pdftitle       = \@title,%
2408       pdfsubject     = \@firstname~\@familyname,%
2409       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2410 \urlstyle{tt}
2411 \RequirePackage{fancyhdr}
2412 \fancypagestyle{plain}{%
2413   \renewcommand{\headrulewidth}{0pt}
2414   \renewcommand{\footrulewidth}{0pt}
2415   \fancyhf{}}
2416 \pagestyle{plain}
2417 \setlength\lineskip{1\p@}
2418 \setlength\normallineskip{1\p@}
2419 \renewcommand\baselinestretch{}
2420 \setlength{\parindent}{0pt}
2421 \setlength{\parskip}{0pt}
2422 \setlength\columnsep{10\p@}
2423 \setlength\columnseprule{0\p@}
2424 \pagestyle{empty}
2425 \pagenumbering{arabic}
2426 \raggedbottom
2427 \onecolumn
2428 \providecommand*\listitemssymbol{\textbullet}
2429 \providecommand*\addresssymbol{}
2430 \providecommand*\mobilesymbol{\Mobilefone}
2431 \providecommand*\phonesymbol{\Telefon}
2432 \providecommand*\faxsymbol{\FAX}
2433 \providecommand*\emailsymbol{\Letter}
2434 \definecolor{firstnamecolour}{rgb}{0,0,0}
2435 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2436 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2437 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2438 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2439 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2440 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2441 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2442 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2443 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2444 \providecommand*\firstnamefont{}
2445 \providecommand*\familynamefont{}
2446 \providecommand*\titlefont{}
2447 \providecommand*\addressfont{}
2448 \providecommand*\quotefont{}

```



```

2449 \providecommand*\sectionfont{}
2450 \providecommand*\subsectionfont{}
2451 \providecommand*\hintfont{\small}
2452 \providecommand*\firstnamestyle[1]{\{\{\firstnamefont\@firstnamecolour#1\}}
2453 \providecommand*\familynamestyle[1]{\{\{\familynamefont\@familynamecolour#1\}}
2454 \providecommand*\titlestyle[1]{\{\{\titlefont\@titlecolour#1\}}
2455 \providecommand*\addresstyle[1]{\{\{\addressfont\@addresscolour#1\}}
2456 \providecommand*\quotestyle[1]{\{\{\quote font\@quote colour#1\}}
2457 \providecommand*\sectionstyle[1]{\{\{\sectionfont\@sectiontitlecolour#1\}}
2458 \providecommand*\subsectionstyle[1]{\{\{\subsectionfont\@subsectioncolour#1\}}
2459 \providecommand*\hintstyle[1]{\{\{\hintfont\@hintcolour#1\}}
2460 \newcommand*\cvtheme}[2][{}]{
2461   \def\@cvtheme{#2}
2462   \def\@cvthemeoptions{#1}}
2463 \cvtheme{bidi-casual}
2464 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2465 \newcommand*\resumename[1]{\def\@resumename{#1}}
2466 \newcommand*\firstname[1]{\def\@firstname{#1}}
2467 \newcommand*\familyname[1]{\def\@familyname{#1}}
2468 \renewcommand*\title[1]{\def\@title{#1}}
2469 \newcommand*\address[1]{\def\@address{#1}}
2470 \newcommand*\mobile[1]{\def\@mobile{#1}}
2471 \newcommand*\phone[1]{\def\@phone{#1}}
2472 \renewcommand*\fax[1]{\def\@fax{#1}}
2473 \newcommand*\email[1]{\def\@email{#1}}
2474 \newcommand*\extrainfo[1]{\def\@extrainfo{#1}}
2475 \def\@photowidth{0pt}
2476 \newcommand*\photo[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2477 \newcommand*\quote[1]{\def\@quote{#1}}
2478 \newlength{\quotewidth}
2479 \newlength{\hintscolumnwidth}
2480 \newlength{\separatorcolumnwidth}
2481 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2482 \newlength{\maincolumnwidth}
2483 \newlength{\doubleitemmaincolumnwidth}
2484 \newlength{\listitemsymbolwidth}
2485 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2486 \newlength{\listitemmaincolumnwidth}
2487 \newlength{\listdoubleitemmaincolumnwidth}
2488 \newcommand*\recomputethemelengths{}
2489 \newcommand*\recomputelengths{%
2490 \setlength{\quotewidth}{0.65\textwidth}%
2491 \setlength{\maincolumnwidth}{\textwidth}%
2492 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2493 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2494 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2495 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2496 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2497 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2498 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%

```



```

2499 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2500 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2501 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2502 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2503 \renewcommand{\headwidth}{\textwidth}%
2504 \recomputethemelengths}
2505 \setlength{\hintscolumnwidth}{0.15\textwidth}
2506 \recomputelengths
2507 \title{}
2508 \renewcommand*{\maketitle}{}
2509 \newcommand*{\section}[1]{%
2510 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2511 \phantomsection}%
2512 \addcontentsline{toc}{part}{#1}%
2513 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangleco
2514 \hspace{\separatorcolumnwidth}%
2515 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@{1ex}}
2516 \newcommand*{\subsection}[1]{%
2517 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2518 \newcommand*{\cvline}[3][.25em]{%
2519 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@
2520 \bidi@raggedleft\hintfont{#2} \&{#3}%
2521 \end{tabular}}\@{#1}}
2522 \newcommand*{\cvdoubleitem}[4]{%
2523 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2524 \hfill%
2525 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2526 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}%
2527 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}}
2528 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}%
2529 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2530 \hfill%
2531 \ifthenelse{\equal{#3}{}}%
2532 {}%
2533 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}
2534 \newcommand*{\cventry}[6]{%
2535 \cvline{#1}{%
2536 {\bfseries#2}%
2537 \ifx#3\else{, {\slshape#3}}\fi%
2538 \ifx#4\else{, #4}\fi%
2539 \ifx#5\else{, #5}\fi%
2540 .%
2541 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2542 }}%
2543 \newcommand*{\cvlanguage}[3]{%
2544 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{m
2545 \newcommand*{\cvcomputer}[4]{%
2546 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2547 \newcommand*{\link}[2]{}{}%
2548 \ifthenelse{\equal{#1}{}}%

```





```

2549     {\href{#2}{#2}}%
2550     {\href{#2}{#1}}}
2551 \newcommand*{\httplink}[2] [] {%
2552   \ifthenelse{\equal{#1}{}}{%
2553     {\href{http://#2}{#2}}%
2554     {\href{http://#2}{#1}}}
2555 \newcommand*{\emallink}[2] [] {%
2556   \ifthenelse{\equal{#1}{}}{%
2557     {\href{mailto:#2}{#2}}%
2558     {\href{mailto:#2}{#1}}}
2559 \newif\if@displaypagenumbers\@displaypagenumberstrue
2560 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2561 \AtBeginDocument{%
2562   \if@displaypagenumbers%
2563     \ifundefined{r@lastpage}{}%
2564     \ifthenelse{\pageref{lastpage} > 1}{%
2565       \fancypagestyle{plain}{%
2566         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref
2567         \pagestyle{plain}}}%
2568     \AtEndDocument{\label{lastpage}}%
2569   \fi}
2570 \newlength{\bibindent}
2571 \setlength{\bibindent}{1.5em}
2572 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2573 \newenvironment{thebibliography}[1]%
2574   {%
2575     \section{\refname}%
2576     \small%
2577     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2578     \begin{list}{\bibliographyitemlabel}%
2579       {%
2580         \setlength{\topsep}{0pt}%
2581         \setlength{\labelwidth}{\hintscolumnwidth}%
2582         \setlength{\labelsep}{\separatorcolumnwidth}%
2583         \leftmargin\labelwidth%
2584         \advance\leftmargin\labelsep%
2585         \@openbib@code%
2586         \usecounter{enumiv}%
2587         \let\p@enumiv\@empty%
2588         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2589         \sloppy\clubpenalty4000\widowpenalty4000%
2590     }%
2591   {%
2592     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2593     \end{list}%
2594   }
2595 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2596 \let\@openbib@code\@empty

```



## 7.22 biditools.sty

```

2597 \NeedsTeXFormat{LaTeX2e}
2598 \ProvidesPackage{biditools}[2015/11/14 v0.8 Programming tools for bidi package]
2599 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
2600   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2601   \ifx\@tempa\@tempb \global\let#2#1%
2602   \else
2603     \edef\@tempb{\meaning#2}%
2604     \ifx\@tempa\@tempb
2605       \else
2606         \@latex@error{Unable to properly define \string#2; primitive
2607           \noexpand#1no longer primitive}\@eha
2608       \fi
2609     \fi
2610   \endgroup}
2611 \newtoks\@bidi@envbody
2612 \newtoks\@bidi@emptytoks
2613 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2614 \def\bidi@collect@body#1{%
2615   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2616   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2617   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2618   \begingroup
2619   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@@body
2620   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2621   \bidi@process@envbody
2622 }
2623 \def\bidi@push@begins#1\begin#2{%
2624   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2625 }
2626 \def\bidi@collect@@body#1\end#2{%
2627   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2628   \ifx\@empty\begin@bidi@stack
2629     \endgroup
2630     \@checkend{#2}%
2631     \bidi@addto@envbody{#1}%
2632   \else
2633     \bidi@addto@envbody{#1\end{#2}}%
2634   \fi
2635   \bidi@process@envbody % A little tricky! Note the grouping
2636 }
2637 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2638 \long\def\bidi@collect@long@body#1{%
2639   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2640   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2641   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2642   \begingroup
2643   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2644   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%

```



```

2645 \bidi@process@envbody
2646 }
2647 \long\def\bidi@push@long@begins#1\begin#2{%
2648 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2649 }
2650 \long\def\bidi@collect@long@@body#1\end#2{%
2651 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@st
2652 \ifx\@empty\begin@bidi@stack
2653 \endgroup
2654 \@checkend{#2}%
2655 \bidi@addto@long@envbody{#1}%
2656 \else
2657 \bidi@addto@long@envbody{#1\end{#2}}%
2658 \fi
2659 \bidi@process@envbody % A little tricky! Note the grouping
2660 }
2661 \long\def\bidi@new@ifnextchar#1#2#3{%
2662 \let\reserved@d= #1%
2663 \def\reserved@a{#2}\def\reserved@b{#3}%
2664 \futurelet\@let@token\bidi@new@ifnch
2665 }
2666 \def\bidi@new@ifnch{%
2667 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2668 \reserved@b
2669 }
2670 \def\bidi@matrix@check#1{%
2671 \expandafter\ifx\csname\@currenvir\endcsname#1%
2672 \else\bidi@matrix@error#1%
2673 \expandafter\@gobble
2674 \fi
2675 }
2676 \def\bidi@matrix@error#1{%
2677 \PackageError{biditools}{%
2678 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2679 }{%
2680 '\string#1{...}' is old bidi package syntax whose use is
2681 ill-advised in the old versions of bidi package.%
2682 }%
2683 }
2684 \def\@tagsextension{clo}
2685 \def\@definitionfileextension{def}
2686 \def\@texfileextension{tex}
2687 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2688 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2689 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2690 \def\eqnewif#1#2{%
2691 \count@\escapechar \escapechar\m@ne
2692 \let#1\iffalse
2693 \let#2\iffalse
2694 \eq@if#1#2\iftrue

```



```

2695 \eq@if#1#2\iffalse
2696 \escapechar\count@}
2697 \def\eq@if#1#2#3{%
2698 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2699 \expandafter\@gobbletwo\string#3\endcsname
2700 {\let#1#3%
2701 \let#2#3}%
2702 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2703 \expandafter\@gobbletwo\string#3\endcsname
2704 {\let#2#3%
2705 \let#1#3}}
2706 \def\@bidi@removefromreset#1#2{%
2707 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2708 \def\@elt##1{%
2709 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2710 \else
2711 \noexpand\@elt{##1}%
2712 \fi}%
2713 \expandafter\xdef\csname cl@#2\endcsname{%
2714 \csname cl@#2\endcsname}}
2715 \newcommand*\@if@bidi@csdef}[1]{%
2716 \ifcsname#1\endcsname
2717 \expandafter\@firstoftwo
2718 \else
2719 \expandafter\@secondoftwo
2720 \fi}
2721 \newcommand*\@if@bidi@csundef}[1]{%
2722 \ifcsname#1\endcsname
2723 \expandafter\ifx\csname#1\endcsname\relax
2724 \expandafter\expandafter
2725 \expandafter\@firstoftwo
2726 \else
2727 \expandafter\expandafter
2728 \expandafter\@secondoftwo
2729 \fi
2730 \else
2731 \expandafter\@firstoftwo
2732 \fi}
2733 \newcommand*\@if@bidi@def}[1]{%
2734 \ifdefined#1%
2735 \expandafter\@firstoftwo
2736 \else
2737 \expandafter\@secondoftwo
2738 \fi}
2739 \newcommand*\@if@bidi@undef}[1]{%
2740 \ifdefined#1%
2741 \ifx#1\relax
2742 \expandafter\expandafter
2743 \expandafter\@firstoftwo
2744 \else

```



```

2745     \expandafter\expandafter
2746     \expandafter\@secondoftwo
2747     \fi
2748   \else
2749     \expandafter\@firstoftwo
2750   \fi}
2751 \newcommand{\if@bidi@blank}[1]{% from url.sty
2752   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2753 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2754 \newcommand{\bidi@notblank}[1]{%
2755   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2756 \newcommand{\if@bidi@defmacro}{%
2757   \long\edef\if@bidi@defmacro#1{%
2758     \noexpand\expandafter\noexpand\bidi@ifdefmacro
2759     \noexpand\meaning#1\detokenize{macro}:&}
2760   \edef\bidi@ifdefmacro{%
2761     \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2762   \bidi@ifdefmacro{\bidi@notblank{#2}}
2763 \newcommand*{\if@bidi@csmacro}[1]{%
2764   \if@bidi@csdef{#1}
2765     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2766     {\@secondoftwo}}
2767 \newcommand{\if@bidi@defprimitive}[1]{%
2768   \ifprimitive#1%
2769     \expandafter\@firstoftwo
2770   \else
2771     \expandafter\@secondoftwo
2772   \fi}
2773 \newcommand{\if@bidi@csprimitive}[1]{%
2774   \begingroup\expandafter\expandafter\expandafter\endgroup%
2775   \expandafter\ifprimitive\csname#1\endcsname%
2776   \expandafter\@firstoftwo
2777   \else
2778     \expandafter\@secondoftwo
2779   \fi}
2780 \newcommand*{\bidi@csdefcs}[2]{%
2781   \expandafter\@ifdefinable \csname#1\endcsname{%
2782     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2783 \newcommand*{\bidi@csletcs}[2]{%
2784   \expandafter\@ifdefinable \csname#1\endcsname{%
2785     \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2786 \newcommand*{\bidi@cslet}[2]{%
2787   \expandafter\@ifdefinable \csname#1\endcsname{%
2788     \expandafter\let\csname#1\endcsname#2}}
2789 \newcommand{\bidi@namelongdef}[1]{%
2790   \long\expandafter\def\csname #1\endcsname{
2791     \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2792     \def\bidi@ensure@new@command#1{%
2793       \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}}\endgroup
2794     \expandafter\if@bidi@csundef\@gtempa

```



```

2795     {\new@command#1}{\relax%
2796 \let\@ifdefinable\@rc@ifdefinable%
2797 \new@command#1}}
2798 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2799
2800 \protected\def\bidi@error{\PackageError{bidi}}
2801 \protected\def\bidi@warning{\PackageWarning{bidi}}
2802 \protected\def\bidi@info{\PackageInfo{bidi}}
2803
2804 \newcommand*{\bidi@newrobustcmd}{}
2805 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2806
2807 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2808
2809 \def\bidi@newcommand#1[#2]{%
2810 \@ifnextchar[%
2811   {\bidi@xargdef#1[#2]}
2812   {\ifx\l@ngrel@x\relax
2813     \let\l@ngrel@x\protected
2814     \else
2815       \protected\def\l@ngrel@x{\protected\long}%
2816     \fi
2817     \@argdef#1[#2]}}
2818
2819 \long\def\bidi@xargdef#1[#2][#3]#4{%
2820 \@ifdefinable#1{%
2821   \expandafter\protected
2822   \expandafter\def
2823   \expandafter#1%
2824   \expandafter{%
2825     \expandafter\@testopt
2826     \csname\string#1\endcsname{#3}}}%
2827   \expandafter\@yargdef\csname\string#1\endcsname\tw{#2}{#4}}}%
2828
2829 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2830
2831 \def\bidi@renew@command#1{%
2832 \if@bidi@undef{#1}
2833   {\bidi@error{\string#1 undefined}\@ehc}
2834   {}%
2835 \let\@ifdefinable\@rc@ifdefinable
2836 \bidi@new@command#1}
2837
2838
2839
2840 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2841
2842 \def\bidi@provide@command#1{%
2843 \if@bidi@undef{#1}
2844   {\def\reserved@a{\bidi@new@command#1}}

```



```

2845     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2846     \reserved@a}
2847
2848 \newcommand*{\bidi@csuse}[1]{%
2849   \ifcsname#1\endcsname
2850     \csname#1\expandafter\endcsname
2851   \fi}
2852
2853 \newcommand{\bidi@expandonce}[1]{%
2854   \unexpanded\expandafter{#1}}
2855
2856 \def\bidi@protected{%
2857   \let\@protect\protect
2858   \let\protect\@unexpandable@protect
2859   \afterassignment\restore@protect}
2860
2861 \bidi@newrobustcmd{\bidi@appto}[2]{%
2862   \if@bidi@undef{#1}
2863     {\edef#1{\unexpanded{#2}}}
2864     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2865 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2866   \if@bidi@undef{#1}
2867     {\edef#1{#2}}
2868     {\edef#1{\bidi@expandonce#1#2}}}
2869 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2870   \if@bidi@undef{#1}
2871     {\xdef#1{\unexpanded{#2}}}
2872     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2873 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2874   \if@bidi@undef{#1}
2875     {\xdef#1{#2}}
2876     {\xdef#1{\bidi@expandonce#1#2}}}
2877
2878 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2879 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2880
2881
2882
2883 \bidi@newrobustcmd{\bidi@preto}[2]{%
2884   \if@bidi@undef{#1}
2885     {\edef#1{\unexpanded{#2}}}
2886     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2887 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2888   \if@bidi@undef{#1}
2889     {\edef#1{#2}}
2890     {\edef#1{#2\bidi@expandonce#1}}}
2891 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2892   \if@bidi@undef{#1}
2893     {\xdef#1{\unexpanded{#2}}}
2894     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}

```



```

2895 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2896   \if@bidi@undef{#1}
2897     {\xdef#1{#2}}
2898     {\xdef#1{#2\bidi@expandonce#1}}}
2899
2900 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2901 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2902
2903
2904
2905 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2906 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2907 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2908 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2909 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2910 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2911
2912
2913
2914 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2915 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2916 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2917 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2918 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2919 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2920
2921
2922
2923 \bidi@newrobustcmd{\if@bidi@patchable}{%
2924   \bidi@dbg@trce\if@bidi@patchable
2925   \begingroup
2926   \@makeother\#%
2927   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2928
2929 \long\def\bidi@ifpatchable#1#2{%
2930   \endgroup
2931   \bidi@dbg@init#1%
2932   \if@bidi@undef{#1}
2933     {\bidi@dbg@fail{def}\@secondoftwo}
2934     {\bidi@dbg@info{def}%
2935       \if@bidi@defmacro{#1}
2936         {\bidi@dbg@info{mac}%
2937           \bidi@ifscanable{#1}
2938             {\bidi@ifhashcheck{#2}
2939               {\bidi@dbg@info{tok}%
2940                 \bidi@ifpattern#1{#2}
2941                 {\bidi@dbg@info{pat}%
2942                   \bidi@dbg@info{pos}\@firstoftwo}
2943                   {\bidi@dbg@fail{pat}\@secondoftwo}}
2944                 {\bidi@dbg@fail{hsh}\@secondoftwo}}

```





```

2945         {\bidi@dbg@fail{tok}\@secondoftwo}}
2946     {\bidi@dbg@fail{mac}\@secondoftwo}}
2947
2948 \long\def\bidi@ifpatchable@i#1{%
2949     \endgroup
2950     \bidi@dbg@init#1%
2951     \if@bidi@undef{#1}
2952     {\bidi@dbg@fail{def}\@secondoftwo}
2953     {\bidi@dbg@info{def}%
2954     \if@bidi@defmacro{#1}
2955     {\bidi@dbg@info{mac}%
2956     \if@bidi@defparam{#1}
2957     {\bidi@dbg@info{prm}%
2958     \bidi@ifscanable{#1}
2959     {\bidi@dbg@info{tok}%
2960     \bidi@dbg@info{pos}\@firstoftwo}
2961     {\bidi@dbg@fail{tok}\@secondoftwo}}
2962     {\bidi@dbg@info{prl}%
2963     \if@bidi@defprotected{#1}
2964     {\bidi@dbg@info{pro}}
2965     {}%
2966     \bidi@dbg@info{pos}\@firstoftwo}}
2967     {\bidi@dbg@fail{mac}\@secondoftwo}}
2968
2969 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2970     \bidi@dbg@trce\bidi@patchcmd
2971     \begingroup
2972     \@makeother\#%
2973     \bidi@@patchcmd}
2974
2975 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2976     \bidi@ifpatchable#2{#3}
2977     {\bidi@dbg@succ{ret}%
2978     \begingroup
2979     \edef\bidi@resrvda{%
2980         \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2981             #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2982         \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2983             ####1\detokenize{#4}####2}%
2984         \edef\noexpand\bidi@resrvda{%
2985             \noexpand\bidi@resrvda\meaning#2&}}%
2986     \bidi@resrvda
2987     \bidi@patchcmd@scantoks\bidi@resrvda
2988     \let#2\bidi@resrvda
2989     \bidi@undef\bidi@resrvda
2990     \@firstoftwo}
2991     {\@secondoftwo}}
2992
2993 \def\bidi@patchcmd@scantoks#1{%
2994     \edef\bidi@resrvda{\endgroup

```



```

2995 \unexpanded{\makeatletter\scantokens}{#1}%
2996 \catcode\number`\@=\the\catcode`\@ \relax}%
2997 \bidi@resrvda}
2998
2999 \newcommand\bidi@isloaded[2] [] {
3000 \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3001 \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3002 \fi
3003 \@ifpackageloaded{#2}
3004 {\csname @bidi@#2loaded@true\endcsname #1}
3005 {\csname @bidi@#2loaded@false\endcsname}}
3006
3007 \protected\def\bidi@ifscanable#1{%
3008 \begingroup
3009 \edef\bidi@resrvda{%
3010 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3011 ####1\def\string\bidi@resrvda####2{####3}}}%
3012 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3013 \bidi@resrvda
3014 \makeatletter
3015 \scantokens\expandafter{\bidi@resrvda}%
3016 \expandafter\endgroup\ifx#1\bidi@resrvda
3017 \expandafter\@firstoftwo
3018 \else
3019 \expandafter\@secondoftwo
3020 \fi}
3021
3022
3023 \protected\long\def\bidi@ifhashcheck#1{%
3024 \begingroup
3025 \edef\bidi@resrvda{\detokenize{#1}}}%
3026 \expandafter\endgroup
3027 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3028
3029 \edef\bidi@ifhashcheck@i#1&{%
3030 \noexpand\expandafter
3031 \noexpand\bidi@ifhashcheck@ii
3032 \noexpand\strip@prefix#1\string#\string#&}
3033
3034 \edef\bidi@ifhashcheck@ii{%
3035 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
3036 \bidi@ifhashcheck@ii{\if@bidi@blank{###2}}
3037
3038
3039 \protected\long\def\bidi@ifpattern#1#2{%
3040 \begingroup
3041 \edef\bidi@resrvda{%
3042 \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3043 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3044 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda

```



```

3045     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3046     \noexpand\bidiresrvda}
3047     \bidiresrvda\@secondoftwo\@firstoftwo}
3048
3049
3050 \newcommand{\if@bidi@defparam}{%
3051 \long\edef\if@bidi@defparam#1{%
3052     \noexpand\expandafter\noexpand\bidifdefparam
3053     \noexpand\meaning#1\detokenize{macro}:->&}
3054 \edef\bidifdefparam{%
3055     \def\noexpand\bidifdefparam##1\detokenize{macro}:##2->##3&}
3056 \bidifdefparam{\bidi@notblank{#2}}
3057
3058
3059 \newcommand{\if@bidi@defprotected}{%
3060 \long\edef\if@bidi@defprotected#1{%
3061     \noexpand\expandafter\noexpand\bidifdefprotected
3062     \noexpand\meaning#1\string\protected&}
3063 \edef\bidifdefprotected{%
3064     \def\noexpand\bidifdefprotected##1\string\protected##2&}
3065 \bidifdefprotected{\bidi@notblank{#2}}
3066
3067
3068 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3069
3070 \let\bidi@dbg@trce\@gobble
3071 \let\bidi@dbg@init\@gobble
3072 \let\bidi@dbg@info\@gobble
3073 \let\bidi@dbg@succ\@gobble
3074 \let\bidi@dbg@fail\@gobble
3075
3076
3077
3078 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3079     \bidi@dbg@trce\bidi@apptocmd
3080     \begingroup
3081     \@makeother\#%
3082     \bidi@hooktocmd\bidi@append}
3083
3084
3085
3086 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3087     \bidi@dbg@trce\bidi@pretocmd
3088     \begingroup
3089     \@makeother\#%
3090     \bidi@hooktocmd\bidi@prepend}
3091
3092 \long\def\bidi@hooktocmd#1#2#3{%
3093     \endgroup
3094     \bidi@dbg@init#2%

```



```

3095 \if@bidi@undef{#2}
3096   {\bidi@dbg@fail{def}\@secondoftwo}
3097   {\bidi@dbg@info{def}%
3098     \if@bidi@defmacro{#2}
3099       {\bidi@dbg@info{mac}%
3100         \if@bidi@defparam{#2}
3101           {\bidi@dbg@info{prm}%
3102             \bidi@ifscanable{#2}
3103               {\bidi@ifhashcheck{#3}
3104                 {\bidi@dbg@info{tok}%
3105                   \bidi@dbg@succ{ret}%
3106                   \bidi@hooktocmd@i#1#2{#3}%
3107                   \@firstoftwo}
3108                 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3109               {\bidi@dbg@fail{tok}\@secondoftwo}}
3110             {\bidi@dbg@info{prl}%
3111               \if@bidi@defprotected{#2}
3112                 {\bidi@dbg@info{pro}%
3113                   \bidi@dbg@succ{red}%
3114                   \protected}
3115                 {\bidi@dbg@succ{red}}}%
3116             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3117             \@firstoftwo}}
3118           {\bidi@dbg@fail{mac}\@secondoftwo}}}}
3119
3120 \long\def\bidi@hooktocmd@i#1#2#3{%
3121   \begingroup
3122   \edef\bidi@resrvda{%
3123     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3124       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3125     \edef\noexpand\bidi@resrvda{%
3126       \noexpand\bidi@resrvda\meaning#2&}}%
3127   \bidi@resrvda
3128   \bidi@patchcmd@scantoks\bidi@resrvda
3129   \let#2\bidi@resrvda
3130   \bidi@undef\bidi@resrvda}
3131
3132 \long\def\bidi@append#1#2{#1#2}
3133 \long\def\bidi@prepend#1#2{#2#1}
3134
3135 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3136 \newcommand*{\bidi@endpreamblehook}{}
3137
3138 \bidi@preto\document{%
3139   \endgroup
3140   \let\bidi@AtEndPreamble\@firstofone
3141   \bidi@endpreamblehook
3142   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3143   \bidi@undef\bidi@endpreamblehook
3144   \begingroup}

```



```

3145
3146 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3147 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3148
3149 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3150 \newcommand*{\bidi@afterendpreamblehook}{\}
3151
3152 \bidi@appto\document{%
3153   \let\bidi@AfterEndPreamble\@firstofone
3154   \bidi@afterendpreamblehook
3155   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3156   \bidi@undef\bidi@afterendpreamblehook
3157   \ignorespaces}
3158
3159 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3160
3161 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3162 \newcommand*{\bidi@afterenddocumenthook}{\}
3163
3164 \bidi@patchcmd\enddocument
3165   {\deadcycles}
3166   {\let\bidi@AfterEndDocument\@firstofone
3167    \bidi@afterenddocumenthook
3168    \deadcycles}
3169   {}
3170   {\let\bidi@end@@end
3171    \def\@end{%
3172      \let\bidi@AfterEndDocument\@firstofone
3173      \bidi@afterenddocumenthook
3174      \bidi@end}}
3175
3176 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3177   \bidi@csgappto{\bidi@begin@#1@hook}}
3178
3179 \bidi@patchcmd\begin
3180   {\csname #1\endcsname}
3181   {\bidi@csuse{\bidi@begin@#1@hook}%
3182    \csname #1\endcsname}
3183   {}
3184   {\bidi@warning{%
3185     Patching '\string\begin' failed!\MessageBreak
3186     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3187
3188
3189
3190 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3191   \bidi@csgappto{\bidi@end@#1@hook}}
3192
3193 \bidi@patchcmd\end
3194   {\csname end#1\endcsname}

```



```

3195 {\bidi@csuse{@bidi@end@#1@hook}%
3196 \csname end#1\endcsname}
3197 {}
3198 {\bidi@warning{%
3199   Patching '\string\end' failed!\MessageBreak
3200   '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3201
3202
3203
3204 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3205   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3206
3207 \bidi@pretocmd\begin
3208   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3209   {}
3210   {\bidi@warning{%
3211     Patching '\string\begin' failed!\MessageBreak
3212     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3213
3214
3215
3216 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3217   \bidi@csgappto{@bidi@afterend@#1@hook}}
3218
3219 \bidi@patchcmd\end
3220   {\if@ignore}
3221   {\bidi@csuse{@bidi@afterend@#1@hook}%
3222    \if@ignore}
3223   {}
3224   {\bidi@warning{%
3225     Patching '\string\end' failed!\MessageBreak
3226     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3227
3228 \CheckCommand{\InputIfFileExists}[2]{%
3229   \IfFileExists{#1}%
3230     {#2\@addtofilelist{#1}\@@input \@filef@und}}
3231
3232 \renewcommand{\InputIfFileExists}[2]{%
3233   \begingroup\expandafter\expandafter\expandafter\endgroup
3234   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3235     \expandafter\@secondoftwo
3236   \else
3237     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3238     \expandafter\@firstoftwo
3239   \fi
3240   {%
3241     \expandafter\InputIfFileExists\expandafter{\csname
3242       #1-@bidi@alias\endcsname}{#2}%
3243   }%
3244   {\IfFileExists{#1}{%

```



```

3245     \bidi@load@hook{before}{#1}%
3246     #2\@addtofilelist{#1}%
3247     \@@input \@filef@und
3248     \bidi@load@hook{after}{#1}%
3249   }}%
3250 }
3251
3252 \newcommand*{\bidi@@loadwithoptions}{}
3253 \newcommand*{\bidi@loadwithoptions}{}
3254 \let\bidi@loadwithoptions\@loadwithoptions
3255
3256 \renewcommand*{\@loadwithoptions}[3]{%
3257   \begingroup\expandafter\expandafter\expandafter\endgroup
3258   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3259     \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3260   \else
3261     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3262     \def\bidi@@loadwithoptions{%
3263       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
3264   }%
3265   \fi
3266   \bidi@@loadwithoptions
3267 }
3268
3269 \newcommand*{\bidi@onefilewithoptions}{}
3270 \let\bidi@onefilewithoptions\@onefilewithoptions
3271 \def\bidi@onefilewithoptions#1[#2][#3]#4{%
3272   \begingroup\expandafter\expandafter\expandafter\endgroup
3273   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3274     \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3275   \else
3276     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3277     \edef\bidi@@onefilewithoptions{%
3278       \noexpand\bidi@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3279   \fi
3280   \bidi@@onefilewithoptions[#{#2}][#{#3}]{#4}%
3281   \bidi@load@hook{lateafter}{#1.#4}%
3282 }
3283
3284 \newcommand*{\bidi@ReplaceInput}[2]{%
3285   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3286 }
3287
3288 \newcommand*{\bidi@UnReplaceInput}[1]{%
3289   \ifcsname #1-@bidi@alias\endcsname
3290     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3291   \fi
3292 }
3293
3294 \newcommand*{\@bidi@replacefilewithext}[3]{%

```



```

3295 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3296 }
3297 \newcommand*{\bidi@ReplacePackage}[2]{%
3298 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3299 }
3300 \newcommand*{\bidi@ReplaceClass}[2]{%
3301 \@bidi@replacefilewithext{#1}{#2}\@clsextension
3302 }
3303 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3304 \ifcsname #1.#2-@bidi@aliasname\endcsname
3305 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3306 \fi
3307 }
3308 \newcommand*{\bidi@UnReplacePackage}[1]{%
3309 \@bidi@unreplacefilewithext{#1}\@pkgextension
3310 }
3311 \newcommand*{\bidi@UnReplaceClass}[1]{%
3312 \@bidi@unreplacefilewithext{#1}\@clsextension
3313 }
3314 \newcommand*{\bidi@replacefile@msg}[2]{%
3315 \PackageInfo{biditytools}{inputing `#1' instead of `#2'}%
3316 }
3317
3318 \newcommand*{\bidi@load@hook}[2]{%
3319 \@ifundefined{#2-@#1}{\}%
3320 \nameuse{#2-@#1}%
3321 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3322 \newcommand*{\bidi@set@load@hook}[2]{%
3323 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{\}%
3324 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3325 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3326 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3327 \newcommand*{\bidi@BeforeClass}[1]{%
3328 \bidi@set@load@hook{before}{#1.\@clsextension}}
3329 \newcommand*{\bidi@AfterClass}{%
3330 \@ifstar {\@s@bidi@AfterClass}{%
3331 \ifnextchar +\@@bidi@AfterClass{%
3332 \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3333 }%
3334 }%
3335 }
3336
3337 \newcommand*{\@@@bidi@AfterClass}[2]{%
3338 \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3339 \aftergroup\@s@bidi@AfterClass
3340 \else
3341 \aftergroup\bidi@AfterAtEndOfClass
3342 \fi
3343 \endgroup{#2}%
3344 }

```





```

3345
3346 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3347   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3348 \newcommand*{\@@bidi@AfterClass}[2]{%
3349   \begingroup
3350     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3351       \aftergroup\@s@bidi@AfterClass
3352     \else
3353       \aftergroup\bidi@AfterClass
3354     \fi
3355   \endgroup{#2}%
3356 }
3357
3358 \newcommand*{\@bidi@AfterClass}[1]{%
3359   \bidi@set@load@hook{after}{#1.\@clsextension}}
3360 \newcommand*{\@s@bidi@AfterClass}[1]{%
3361   \begingroup
3362     \@ifclassloaded{#1}{%
3363       \aftergroup\@secondoftwo
3364     }{%
3365       \aftergroup\bidi@AfterClass
3366     }%
3367   \endgroup
3368   {#1}%
3369 }
3370
3371
3372 \newcommand*{\bidi@BeforePackage}[1]{%
3373   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3374 \newcommand*{\bidi@AfterPackage}{%
3375   \@ifstar {\@s@bidi@AfterPackage}{%
3376     \@ifnextchar +\@@bidi@AfterPackage{%
3377       \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
3378     }%
3379   }%
3380 }
3381 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3382   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3383     \aftergroup\@s@bidi@AfterPackage
3384   \else
3385     \aftergroup\bidi@AfterAtEndOfPackage
3386   \fi
3387   \endgroup{#2}%
3388 }
3389 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
3390   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3391 \newcommand*{\@@bidi@AfterPackage}[2]{%
3392   \begingroup
3393     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3394       \aftergroup\@s@bidi@AfterPackage

```



```

3395     \else
3396         \aftergroup\@bidi@AfterPackage
3397     \fi
3398 \endgroup{#2}%
3399 }
3400 \newcommand*{\@bidi@AfterPackage}[1]{%
3401     \bidi@set@load@hook{after}{#1.\@pkgextension}}
3402 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3403     \begingroup
3404         \@ifpackageloaded{#1}{%
3405             \aftergroup\@secondoftwo
3406         }{%
3407             \aftergroup\@bidi@AfterPackage
3408         }%
3409     \endgroup
3410     {#1}%
3411 }
3412
3413 \newcommand*{\bidi@excludedpackages}{}
3414 \let\bidi@excludedpackages\@empty
3415 \newcommand*{\bidi@saves@RequirePackage}{}
3416 \newcommand*{\bidi@PreventPackageFromLoading}{%
3417     \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3418             {\@bidi@PreventPackageFromLoading\PackageWarning}%
3419 }
3420 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3421     \@ifnextchar [%]
3422         {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
3423 }
3424 \newcommand*{\@bidi@PreventPackageFromLoading}{}
3425
3426 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3427     \edef\reserved@b{\zap@space#3 \@empty}%
3428     \ifx \reserved@b\@empty
3429         #1{bidiutils}{%
3430             \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3431             argument ignored%
3432         }%
3433     \else
3434         \ifx\bidi@excludedpackages\@empty
3435             \let\bidi@saves@RequirePackage\RequirePackage
3436             \let\RequirePackage\bidi@RequirePackage
3437             \def\reserved@a##1##{%
3438                 \@latex@error
3439                 {\noexpand \usepackage before \string\documentclass}%
3440                 {\noexpand \usepackage may only appear in the document
3441                  preamble, i.e.,\MessageBreak
3442                  between \noexpand\documentclass and
3443                  \string\begin{document}.}%
3444                 \@gobble}%

```



```

3445 \ifx\reserved@a\usepackage\else
3446 \ifx\usepackage\bidisaved@RequirePackage\else
3447 \PackageWarning{biditools}{%
3448     Maybe serious problem: unexpected definition of\MessageBreak
3449     \string\usepackage
3450 }%
3451 \fi
3452 \let\usepackage\RequirePackage
3453 \fi
3454 \fi
3455 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3456 \reserved@b\do {%
3457     \ifx\reserved@a\@empty
3458         #1{biditools}{%
3459             empty package argument for
3460             \string\bidis@PreventPackageFromLoading\MessageBreak
3461             ignored%
3462         }%
3463     \else
3464         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3465             #1{biditools}{%
3466                 package `reserved@a' already loaded.\MessageBreak
3467                 Cannot prevent it from being loaded%
3468             }%
3469         }{%
3470             \edef\bidis@excludedpackages{\bidis@excludedpackages,%
3471                 \reserved@a}%
3472             \if\relax\detokenize{#2}\relax\else
3473                 \@ifundefined{bidis@exclude@package@\reserved@a @do}{%
3474                     \@namedef{bidis@exclude@package@\reserved@a @do}{}%
3475                 }{%
3476                     \expandafter\def
3477                     \csname bidis@exclude@package@\reserved@a
3478                         @do\expandafter\expandafter\expandafter\endcsname
3479                     \expandafter\expandafter\expandafter{%
3480                         \csname bidis@exclude@package@\reserved@a @do\endcsname
3481                         #2%
3482                     }%
3483                 \fi
3484             }%
3485         \fi
3486     }%
3487     \ifx\bidis@excludedpackages\@empty
3488         \bidis@ResetPreventPackageFromLoading
3489     \fi
3490 \fi
3491 }
3492
3493 \@onlypreamble\bidis@PreventPackageFromLoading
3494 \newcommand*{\bidis@ResetPreventPackageFromLoading}{%

```



```

3495 \let\bidix@excludedpackages\@empty
3496 \ifx\RequirePackage\bidix@RequirePackage
3497 \ifx\usepackage\RequirePackage
3498 \let\usepackage\bidix@saved@RequirePackage
3499 \fi
3500 \let\RequirePackage\bidix@saved@RequirePackage
3501 \fi
3502 }
3503 \@onlypreamble\bidix@ResetPreventPackageFromLoading
3504 \newcommand*{\bidix@StorePreventPackageFromLoading}[1]{%
3505 \let#1\bidix@excludedpackages
3506 }
3507 \@onlypreamble\bidix@StorePreventPackageFromLoading
3508 \newcommand*{\bidix@UnPreventPackageFromLoading}{%
3509 \@ifstar {\@tempswatrue\@bidix@UnPreventPackageFromLoading}%
3510 {\@tempswafalse\@bidix@UnPreventPackageFromLoading}%
3511 }
3512
3513 \newcommand*{\@bidix@UnPreventPackageFromLoading}[1]{%
3514 \edef\reserved@a{\zap@space#1 \@empty}%
3515 \if@tempswa
3516 \@for\reserved@a:=\reserved@b\do {%
3517 \ifx\reserved@a\@empty \else
3518 \ifcsname bidix@exclude@package@\reserved@a @do\endcsname
3519 \expandafter\let
3520 \csname bidix@exclude@package@\reserved@a @do\endcsname
3521 \undefined
3522 \fi
3523 \fi
3524 }%
3525 \fi
3526 \ifcsname bidix@excludedpackages\endcsname
3527 \let\reserved@a\bidix@excludedpackages
3528 \let\bidix@excludedpackages\@empty
3529 \expandafter\@for\expandafter\reserved@c
3530 \expandafter:\expandafter=\reserved@a
3531 \do{%
3532 \ifx\reserved@c\@empty\else
3533 \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
3534 \ifin@
3535 \else
3536 \edef\bidix@excludedpackages{%
3537 \bidix@excludedpackages,\reserved@c
3538 }%
3539 \fi
3540 \fi
3541 }%
3542 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
3543 \fi
3544 }

```



```

3545
3546
3547 \newcommand*{\bidi@RequirePackage}[2][{}]{%
3548   \let\reserved@c\@empty
3549   \let\reserved@d\@empty
3550   \edef\reserved@b{\zap@space#2 \@empty}%
3551   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3552   \do {%
3553     \begingroup
3554     \@tempswatrue
3555     \@for\reserved@a=\bidi@excludedpackages\do {%
3556       \ifx\reserved@a\reserved@b
3557         \@tempswafalse
3558       \fi
3559     }%
3560     \if@tempswa
3561       \xdef\reserved@c{\reserved@c,\reserved@b}%
3562     \else
3563       \ifx\reserved@b\@empty\else
3564         \PackageInfo{bidiutils}{Excluding package `'\reserved@b'\MessageBreak
3565           from loading}%
3566         \ifundefined{bidi@exclude@package@\reserved@b @do}{%
3567           }{%
3568             \expandafter\g@addto@macro\expandafter\reserved@d
3569             \csname bidi@exclude@package@\reserved@b @do\endcsname
3570           }%
3571         \fi
3572       \fi
3573     \endgroup
3574   }%
3575   \ifx\reserved@c\@empty
3576     \let\reserved@a\bidi@gobbleopt
3577   \else
3578     \edef\reserved@a{\noexpand\bidi@saves@RequirePackage[#1]{%
3579       \expandafter\@gobble\reserved@c\@empty}}%
3580   \fi
3581   \expandafter\reserved@d
3582   \reserved@a
3583 }
3584
3585 \newcommand{\bidi@gobbleopt}[1][{}]{%
3586 \AtEndDocument{%
3587   \let\bidi@saves@checkend=\@checkend
3588   \renewcommand*{\@checkend}[1]{%
3589     \def\reserved@a{#1}\def\reserved@b{document}%
3590     \bidi@saves@checkend{#1}%
3591     \ifx\reserved@a\reserved@b
3592       \let\bidi@saves@clearpage=\clearpage
3593     \renewcommand*{\clearpage}{\bidi@saves@clearpage
3594       \bidi@hook@bcma

```



```

3595         \bidi@restore@newpage
3596         \let\clearpage=\bidi@saved@clearpage}%
3597     \fi%
3598     \let\bidi@saved@dofilelist\@dofilelist
3599     \def\@dofilelist{%
3600         \bidi@hook@acma
3601         \let\@dofilelist\bidi@saved@dofilelist
3602         \bidi@saved@dofilelist
3603     }%
3604 }%
3605 }
3606
3607
3608 \newcommand*{\bidi@saved@checkend}{%
3609 \newcommand*{\bidi@saved@dofilelist}{%
3610 \newcommand*{\bidi@redefine@newpage}{%
3611     \let\bidi@saved@newpage\newpage
3612     \def\bidi@restore@newpage{%
3613         \renewcommand*{\newpage}{%
3614             \PackageWarningNoLine{%
3615                 biditools%
3616             }{%
3617                 \string\newpage\space at main aux file!\MessageBreak
3618                 You have output material at the main aux file.\MessageBreak
3619                 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3620                 are processed before the output from aux file%
3621             }%
3622             \let\newpage\bidi@saved@newpage
3623             \newpage
3624         }%
3625     }%
3626     \renewcommand*{\newpage}{%
3627         \PackageError{%
3628             biditools%
3629         }{%
3630             \string\newpage\space at \string\bidi@BeforeClosingMainAux
3631         }{%
3632             You should never use \string\newpage\space or
3633             \string\clear(double)page or other output material at the\MessageBreak
3634             argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3635             If you'll continue, the \string\newpage\space will be ignored to
3636             avoid corruption of\MessageBreak
3637             every prior use of \string\bidi@BeforeClosingMainAux.
3638         }%
3639     }%
3640 }
3641
3642 \newcommand*{\bidi@restore@newpage}{%
3643 \newcommand*{\bidi@hook@bcma}{%
3644 \newcommand*{\bidi@hook@acma}{%

```



```

3645 \newcommand*{\bidi@BeforeClosingMainAux}{%
3646   \ifx\bidi@hook@bcma\@empty
3647     \gdef\bidi@hook@bcma{%
3648       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
3649       \let\protected@write\bidi@protected@immediate@write
3650       \bidi@redefine@newpage
3651     }%
3652   \fi
3653   \g@addto@macro\bidi@hook@bcma%
3654 }
3655
3656 \newcommand*{\bidi@AfterReadingMainAux}{%
3657   \ifx\bidi@hook@acma\@empty
3658     \gdef\bidi@hook@acma{%
3659       \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
3660       \let\protected@write\bidi@protected@immediate@write
3661     }%
3662   \fi
3663   \g@addto@macro\bidi@hook@acma%
3664 }
3665
3666 \long\def\bidi@protected@immediate@write#1#2#3{%
3667   \begingroup
3668     #2%
3669     \let\protect\@unexpandable@protect
3670     \edef\reserved@a{\immediate\write#1{#3}}%
3671     \reserved@a
3672   \endgroup
3673   \if@nobeak\ifvmode\nobeak\fi\fi
3674 }
3675
3676 \def\bidi@patch@counter{0}%
3677 \if\bidi@csundef{numexpr}{%
3678   \def\bidi@patch@stepcounter{%
3679     \begingroup
3680       \count@\bidi@patch@counter\relax
3681       \advance\count@\@ne\relax
3682     \edef\x{\endgroup
3683       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
3684     }%
3685     \x
3686   }%
3687 }{%
3688   \def\bidi@patch@stepcounter{%
3689     \edef\bidi@patch@counter{%
3690       \the\numexpr\bidi@patch@counter+\@ne\relax
3691     }%
3692   }%
3693 }
3694 \def\bidi@patch@list{}

```



```

3695 \def\bidipatch@Add{%
3696   \bidipatch@list
3697 }
3698 \def\bidipatch@AfterPackage#1{%
3699   \ifpackageloaded{#1}{%
3700     \@firstofone
3701   }{%
3702     \bidipatch@AfterPackage{#1}%
3703   }%
3704 }
3705 \def\bidipatch@AfterPackage#1{%
3706   \edef\bidipatch@temp{#1}%
3707   \bidipatch@stepcounter
3708   \expandafter\bidipatch@@AfterPackage
3709   \csname \bidipatch@\bidipatch@counter\expandafter\endcsname{%
3710     \bidipatch@temp
3711   }%
3712 }
3713 \def\bidipatch@@AfterPackage#1#2#3{%
3714   \begingroup
3715     \toks@{#3}%
3716     \xdef\bidipatch@gtemp{%
3717       \noexpand\@ifpackageloaded{#2}{%
3718         \noexpand\let\noexpand#1\noexpand\relax
3719         \the\toks@
3720       }{%
3721       }%
3722     \endgroup
3723     \let#1\bidipatch@gtemp
3724     \bidipatch@Add#1%
3725     \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3726 }
3727
3728 \def\bidipatch@try#1#2#3{%
3729   \if@bidi@csundef{#1}{%
3730     \csname #1\endcsname{#2}{#3}%
3731   }%
3732 }
3733
3734 \AtBeginDocument{\bidipatch@list}
3735
3736 \bidi@AtEndPreamble{\bidipatch@list}%
3737
3738 \bidi@AfterEndPreamble{%
3739   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
3740   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
3741   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
3742   \let\bidipatch@OrgIfClassLater\@ifclasslater
3743   \bidipatch@list
3744   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded

```





```

3745 \let\@ifpackagelater\@bidi@patch@OrgIfPackageLater
3746 \let\@ifclassloaded\@bidi@patch@OrgIfClassLoaded
3747 \let\@ifclasslater\@bidi@patch@OrgIfClassLater
3748 }%

```

## 7.23 bidiutfefloat.sty

```

3749 \NeedsTeXFormat{LaTeX2e}
3750 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
3751 bidi implementation of tufte float]
3752 \RequirePackage{xifthen}
3753 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
3754 \newcommand{\bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
3755 \newcommand{\bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
3756 \newcommand{\bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1\@gobble}}
3757 \newboolean{\@bidiutfefloat@RTLgeometry}
3758 \setboolean{\@bidiutfefloat@RTLgeometry}{true}
3759 \DeclareOption{RTLgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{true}}
3760 \DeclareOption{LTRgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{false}}
3761 \newboolean{\@bidiutfefloat@a4paper}
3762 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@a4paper}{true}}
3763 \newboolean{\@bidiutfefloat@b5paper}
3764 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@b5paper}{true}}
3765 \newboolean{\@bidiutfefloat@symmetric}
3766 \newboolean{\@bidiutfefloat@twoside}
3767 \DeclareOption{twoside}{%
3768 \@twosidettrue \@mparswitchtrue%
3769 \setboolean{\@bidiutfefloat@twoside}{true}%
3770 \setboolean{\@bidiutfefloat@symmetric}{true}%
3771 }
3772 \DeclareOption{oneside}{%
3773 \@twosidefalse \@mparswitchfalse%
3774 \setboolean{\@bidiutfefloat@twoside}{false}%
3775 \setboolean{\@bidiutfefloat@symmetric}{false}%
3776 }
3777 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3778 \newboolean{\@bidiutfefloat@debug}
3779 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetect}
3780 \ProcessOptions
3781 %% Globally sets the length
3782 \newcommand*{\gsetlength}[2]{%
3783 \setlength{#1}{#2}%
3784 \global#1=#1\relax%
3785 }
3786 %% Globally sets a boolean
3787 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
3788 \lowercase{\def\@tempa{#2}}%
3789 \@ifundefined{\@tempswa\@tempa}%
3790 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3791 {\@ifundefined{#1\@tempa}%

```



```

3792     {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3793     {\global\csname#1\@tempa\endcsname}%
3794     }%
3795 }
3796 %% Set the font sizes and baselines to match bdituftefloat's books
3797 \renewcommand\normalsize{%
3798   \@setfontsize\normalsize\@xpt{14}%
3799   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3800   \abovedisplayshortskip \z@ \@plus3\p@
3801   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3802   \belowdisplayskip \abovedisplayskip
3803   \let\@listi\@listI}
3804 \normalbaselineskip=14pt
3805 \normalsize
3806 \renewcommand\footnotesize{%
3807   \@setfontsize\footnotesize\viipt{10}%
3808   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3809   \abovedisplayshortskip \z@ \@plus\p@
3810   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3811   \def\@listi{\leftmargin\leftmarginI
3812             \topsep 3\p@ \@plus\p@ \@minus\p@
3813             \parsep 2\p@ \@plus\p@ \@minus\p@
3814             \itemsep \parsep}%
3815   \belowdisplayskip \abovedisplayskip
3816 }
3817 %% Paragraph indentation and separation for marginal text
3818 \newcommand{\@bdiuftefloat@margin@par}{%
3819   \setlength{\RaggedRightParindent}{0.5pc}%
3820   \setlength{\JustifyingParindent}{0.5pc}%
3821   \setlength{\parindent}{0.5pc}%
3822   \setlength{\parskip}{0pt}%
3823 }
3824 \RequirePackage{ragged2e}
3825 \ifthenelse{\boolean{@bdiuftefloat@RTLgeometry}}{%
3826   \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
3827   \ifthenelse{\boolean{@bdiuftefloat@afourpaper}}{
3828     {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparskip=10mm}}
3829     {}
3830   }\ifthenelse{\boolean{@bdiuftefloat@bfivepaper}}{
3831     {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginparskip=10mm}}
3832     {}
3833   }
3834   \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparskip=10mm]{ragged2e}
3835   \ifthenelse{\boolean{@bdiuftefloat@afourpaper}}{
3836     {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparskip=10mm}}
3837     {}
3838   }\ifthenelse{\boolean{@bdiuftefloat@bfivepaper}}{
3839     {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginparskip=10mm}}
3840     {}
3841   }

```



```

3842 {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3843 \setlength\marginparpush{10pt}
3844 %% Font for margin items
3845 \newcommand{\@bidiutfefloat@marginfont}{\normalfont\footnotesize}
3846 \newcommand*{\@bidiutfefloat@caption@font}{\@bidiutfefloat@marginfont}
3847 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutfefloat@caption@font}{#1}}
3848 \newcommand{\@bidiutfefloat@justification}{\justifying}%
3849 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3850 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3851 \newboolean{@bidiutfefloat@changepage}
3852 \IfFileExists{changepage.sty}{%
3853   \bidiutfefloatDebugInfoNL{Found changepage.sty}
3854   \RequirePackage[strict]{changepage}
3855   \setboolean{@bidiutfefloat@changepage}{true}
3856 }{%
3857   \bidiutfefloatDebugInfoNL{Found chngpage.sty}
3858   \RequirePackage[strict]{chngpage}
3859   \setboolean{@bidiutfefloat@changepage}{false}
3860 }
3861 \newboolean{@bidiutfefloat@odd@page}
3862 \setboolean{@bidiutfefloat@odd@page}{true}
3863 \newcommand*{\@bidiutfefloat@checkoddpag}{%
3864   \checkoddpag%
3865   \ifthenelse{\boolean{@bidiutfefloat@changepage}}{%
3866     \ifoddpag%
3867       \setboolean{@bidiutfefloat@odd@page}{true}%
3868     \else%
3869       \setboolean{@bidiutfefloat@odd@page}{false}%
3870     \fi%
3871   }{%
3872     \ifcpoddpag%
3873       \setboolean{@bidiutfefloat@odd@page}{true}%
3874     \else%
3875       \setboolean{@bidiutfefloat@odd@page}{false}%
3876     \fi%
3877   }%
3878 }
3879 \newlength{\@bidiutfefloat@overhang}% used by the fullwidth environment and the running heads
3880 \newlength{\@bidiutfefloat@fullwidth}
3881 \newlength{\@bidiutfefloat@caption@fill}
3882 \newcommand{\@bidiutfefloatRecalculate}{%
3883   \setlength{\@bidiutfefloat@overhang}{\marginparwidth}
3884   \addtolength{\@bidiutfefloat@overhang}{\marginparsep}
3885
3886   \setlength{\@bidiutfefloat@fullwidth}{\textwidth}
3887   \addtolength{\@bidiutfefloat@fullwidth}{\marginparsep}
3888   \addtolength{\@bidiutfefloat@fullwidth}{\marginparwidth}
3889
3890   \setlength{\@bidiutfefloat@caption@fill}{\textwidth}
3891   \addtolength{\@bidiutfefloat@caption@fill}{\marginparsep}

```



```

3892 }
3893 \AtBeginDocument{\biditytfloatRecalculate}
3894 \RequirePackage{optparams}% provides multiple optional arguments for commands
3895 \RequirePackage{placeins}
3896 \newsavebox{\@biditytfloat@margin@floatbox}
3897 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
3898 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3899 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
3900 \begin{minipage}{\marginparwidth}%
3901 \@biditytfloat@caption@font%
3902 \def\@capttype{#2}%
3903 \hbox{}\vspace*{#1}%
3904 \@biditytfloat@caption@justification%
3905 \@biditytfloat@margin@par%
3906 \noindent%
3907 }
3908 {\end{minipage}%
3909 \end{lrbox}%
3910 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
3911 }
3912 \newenvironment{marginfigure}[1][-1.2ex]%
3913 {\begin{@biditytfloat@margin@float}[#1]{figure}}
3914 {\end{@biditytfloat@margin@float}}
3915 \newenvironment{margintable}[1][-1.2ex]%
3916 {\begin{@biditytfloat@margin@float}[#1]{table}}
3917 {\end{@biditytfloat@margin@float}}
3918 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
3919
3920 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is
3921 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
3922 \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
3923 {\def\@biditytfloat@float@debug@info{#1}}%
3924 {\g@addto@macro\@biditytfloat@float@debug@info{MessageBreak#1}}%
3925 }
3926 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3927 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug
3928 \newboolean{@biditytfloat@float@recto}
3929 \newcommand{\forcerectofloat}{\gsetboolean{@biditytfloat@float@recto}{true}\@biditytfloat
3930 \newcommand{\forceversofloat}{\gsetboolean{@biditytfloat@float@recto}{false}\@biditytfloat
3931 \newsavebox{\@biditytfloat@figure@box}
3932 \newsavebox{\@biditytfloat@caption@box}
3933 \let\@biditytfloat@orig@float\@float
3934 \let\@biditytfloat@orig@endfloat\endfloat
3935 \newlength{\@biditytfloat@caption@vertical@offset}
3936 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
3937 \newcommand{\@biditytfloat@stored@shortcaption}{\}
3938 \newcommand{\@biditytfloat@stored@caption}{\}
3939 \newcommand{\@biditytfloat@stored@label}{\}
3940 \long\def\@biditytfloat@caption[#1][#2]#3{%
3941 \ifthenelse{isempty{#1}}%

```



```

3942     {\gdef\@bidiutefloat@stored@shortcaption{#3}}%
3943     {\gdef\@bidiutefloat@stored@shortcaption{#1}}%
3944     \gsetlength{\@bidiutefloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3945     \gdef\@bidiutefloat@stored@caption{#3}%
3946 }
3947 \newcommand{\@bidiutefloat@label}[1]{%
3948     \gdef\@bidiutefloat@stored@label{#1}%
3949 }
3950 \newcommand{\@bidiutefloat@fps}{%
3951     \newboolean{\@bidiutefloat@float@star}%
3952     \newlength{\@bidiutefloat@float@contents@width}%
3953     \newenvironment{\@bidiutefloat@float}[3][htbp]%
3954     {% begin \@bidiutefloat@float
3955         % Should this float be full-width or just text-width?
3956         \ifthenelse{\equal{#3}{star}}{%
3957             {\gsetboolean{\@bidiutefloat@float@star}{true}}%
3958             {\gsetboolean{\@bidiutefloat@float@star}{false}}%
3959         % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3960         \@bidiutefloat@checkoddpag%
3961         \ifthenelse{\boolean{\@bidiutefloat@odd@page}}{%
3962             {\gsetboolean{\@bidiutefloat@float@recto}{true}}\@bidiutefloat@float@debug{Detected page
3963             {\gsetboolean{\@bidiutefloat@float@recto}{false}}\@bidiutefloat@float@debug{Detected pag
3964         % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3965         \renewcommand{\@bidiutefloat@fps}{#1}%
3966         \@bidiutefloat@float@debug{Allowed positions: [#1]}%
3967         \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
3968         {\renewcommand{\floatalignment}{b}}\@bidiutefloat@float@debug{Presumed position: [bottom]
3969         {\renewcommand{\floatalignment}{t}}\@bidiutefloat@float@debug{Presumed position: [top]}}%
3970         % Capture the contents of the \caption and \label commands to use later
3971         \global\let\@bidiutefloat@orig@caption\caption%
3972         \global\let\@bidiutefloat@orig@label\label%
3973         \renewcommand{\caption}{\optparams{\@bidiutefloat@caption}{[[] [Opt]]}}%
3974         \renewcommand{\label}[1]{\@bidiutefloat@label{#1}}%
3975         % Handle subfigure package compatibility
3976         \ifthenelse{\boolean{\@bidiutefloat@packages@subfigure}}{%
3977             % don't move the label while inside a \subfigure or \subtable command
3978             \global\let\label\@bidiutefloat@orig@label%
3979         }% subfigure package is not loaded
3980         \@bidiutefloat@orig@float{#2}[#1]%
3981         \ifthenelse{\boolean{\@bidiutefloat@float@star}}{%
3982             {\setlength{\@bidiutefloat@float@contents@width}{\@bidiutefloat@fullwidth}}%
3983             {\setlength{\@bidiutefloat@float@contents@width}{\textwidth}}%
3984             \begin{lrbox}{\@bidiutefloat@figure@box}%
3985             \begin{minipage}{\floatalignment}{\@bidiutefloat@float@contents@width}\hbox{%
3986         }% end \@bidiutefloat@float
3987             \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}% align
3988             \end{minipage}%
3989             \end{lrbox}%
3990             % build the caption box
3991             \begin{lrbox}{\@bidiutefloat@caption@box}%

```



```

3992     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
3993     \ifthenelse{\NOT\equal{\@bituftefloat@stored@caption}}{\@bituftefloat@orig@caption
3994     \ifthenelse{\NOT\equal{\@bituftefloat@stored@label}}{\@bituftefloat@orig@label{\@b
3995         \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3996     \end{minipage}%
3997 \end{lrbox}%
3998 % now typeset the stored boxes
3999 \begin{fullwidth}%
4000     \begin{minipage}[\floatalignment]{\linewidth}%
4001     \ifthenelse{\boolean{@bituftefloat@float@star}}%
4002     {\@bituftefloat@float@fullwidth[\@bituftefloat@caption@vertical@offset]{\@bituft
4003     {\@bituftefloat@float@textwidth[\@bituftefloat@caption@vertical@offset]{\@bituft
4004     \end{minipage}%
4005 \end{fullwidth}%
4006 \@bituftefloat@orig@endfloat% end original LaTeX float environment
4007 % output debug info
4008 \ifthenelse{\boolean{@bituftefloat@debug}}{%
4009 \typeout{^^J^^J----- biduntfloat package float information -----}%
4010     \ifthenelse{\equal{\@bituftefloat@stored@label}}{%
4011         {\typeout{Warning: Float unlabeled!}}%
4012         {\typeout{Float label: [\@bituftefloat@stored@label]}}%
4013     \typeout{Page number: [\thepage]}%
4014     \def\MessageBreak{^^J}%
4015     \typeout{\@bituftefloat@float@debug@info}%
4016     \ifthenelse{\boolean{@bituftefloat@symmetric}}%
4017         {\typeout{Symmetric: [true]}}%
4018         {\typeout{Symmetric: [false]}}%
4019 \typeout{-----^^J^^J}%
4020 }}%
4021 % reset commands and temp boxes and captions
4022 \gdef\@bituftefloat@float@debug@info{%
4023 \let\caption\@bituftefloat@orig@caption%
4024 \let\label\@bituftefloat@orig@label%
4025 \begin{lrbox}{\@bituftefloat@figure@box}\hbox{}\end{lrbox}%
4026 \begin{lrbox}{\@bituftefloat@caption@box}\hbox{}\end{lrbox}%
4027 \gdef\@bituftefloat@stored@shortcaption{%
4028 \gdef\@bituftefloat@stored@caption{%
4029 \gdef\@bituftefloat@stored@label{%
4030 \gsetlength{\@bituftefloat@caption@vertical@offset}{0pt}% reset caption offset
4031 }
4032 \newcommand{\@bituftefloat@float@textwidth}[3][0pt]{%
4033 \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@recto}}
4034 % asymmetric or page is odd, so caption is on the right
4035 \hbox{%
4036     \usebox{#2}%
4037     \hspace{\marginparsep}%
4038     \smash{\raisebox{#1}{\usebox{#3}}}%
4039 }
4040 \@bituftefloat@float@debug{Caption position: [right]}%
4041 }% symmetric pages and page is even, so caption is on the left

```



```

4042 \hbox{%
4043 \smash{\raisebox{#1}{\usebox{#3}}}%
4044 \hspace{\marginparsep}%
4045 \usebox{#2}%
4046 }
4047 \@bituftefloat@float@debug{Caption position: [left]}%
4048 }%
4049 }
4050 \newcommand{\@bituftefloat@float@fullwidth}[3][Opt]{%
4051 \ifthenelse{\equal{\floatalignment}{b}}{%
4052 {% place caption above figure
4053 \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@rect}
4054 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bituftefloat@float@debug{Cap
4055 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debug{Cap
4056 }{% place caption below figure
4057 \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@rect}
4058 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debug{Cap
4059 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debug{Cap
4060 }%
4061 }
4062 \renewenvironment{figure}[1][htbp]{%
4063 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
4064 {\end{@bituftefloat@float}}
4065 \renewenvironment{table}[1][htbp]
4066 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
4067 {\end{@bituftefloat@float}}
4068 \renewenvironment{figure*}[1][htbp]{%
4069 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
4070 {\end{@bituftefloat@float}}
4071 \renewenvironment{table*}[1][htbp]{%
4072 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
4073 {\end{@bituftefloat@float}}
4074 \newenvironment{fullwidth}
4075 {\ifthenelse{\boolean{@bituftefloat@symmetric}}}%
4076 {\ifthenelse{\boolean{@bituftefloat@changepage}}{\begin{adjustwidth*}{-}\@bituftefloa
4077 {\begin{adjustwidth}{-}\@bituftefloat@overhang}}%
4078 }%
4079 {\ifthenelse{\boolean{@bituftefloat@symmetric}}}%
4080 {\ifthenelse{\boolean{@bituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4081 {\end{adjustwidth}}}%
4082 }
4083 \long\def\@caption#1[#2]#3{%
4084 \par%
4085 \addcontentsline{\csname ext@#1\endcsname}{#1}%
4086 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4087 \begingroup%
4088 \@parboxrestore%
4089 \if@minipage%
4090 \setminipage%
4091 \fi%

```





```

4092 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4093 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4094 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4095 \endgroup}
4096 %%
4097 % Turns newlines into spaces. Based on code from the `titlesec' package.
4098 \DeclareRobustCommand{\@biditytheheading@newlinetospace}{%
4099 \@ifstar{\@biditytheheading@newlinetospace@i}{\@biditytheheading@newlinetospace@i}%
4100 }
4101 \def\@biditytheheading@newlinetospace@i{%
4102 \ifdim\lastskip>z@\else\space\fi
4103 \ignorespaces%
4104 }
4105 \DeclareRobustCommand{\newlinetospace}[1]{%
4106 \let\@biditytheheading@orig@cr\\% save the original meaning of \\
4107 \def\\{\@biditytheheading@newlinetospace}% turn \\ and \\* into \space
4108 \let\newline\\% turn \newline into \space
4109 #1%
4110 \let\\\@biditytheheading@orig@cr% revert to original meaning of \\
4111 }
4112 \RequirePackage{fancyhdr}
4113 \pagestyle{fancy}
4114 \AtBeginDocument{%
4115 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4116 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4117 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
4118 }
4119 % The running heads/feet don't have rules
4120 \renewcommand{\headrulewidth}{0pt}
4121 \renewcommand{\footrulewidth}{0pt}
4122 % The 'fancy' page style is the default style for all pages.
4123 \fancyhf{} % clear header and footer fields
4124 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4125 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4126 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4127 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4128 % The `plain' page style is used on chapter opening pages.
4129 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4130 % bottom of pages -- the folios are unexpressed.
4131 \fancypagestyle{plain}{
4132 \fancyhf{} % clear header and footer fields
4133 % Uncomment the following five lines of code if you want the opening page
4134 % of the chapter to express the folio in the lower outside corner.
4135 % \ifthenelse{\boolean{@biditytfloat@symmetric}}
4136 % {\fancyfoot[LE,RO]{\thepage}}
4137 % {\fancyfoot[RE,RO]{\thepage}}
4138 }
4139 % The `empty' page style suppresses all headers and footers.
4140 % It's used on title pages and `intentionally blank' pages.
4141 \fancypagestyle{empty}{

```





```

4142 \fancyhf{} % clear header and footer fields
4143 }
4144 \def\morefloats{% provides a total of 52 floats
4145 \ifthenelse{\isundefined{\bx@S}}{%
4146 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4147 \newinsert\bx@S
4148 \newinsert\bx@T
4149 \newinsert\bx@U
4150 \newinsert\bx@V
4151 \newinsert\bx@W
4152 \newinsert\bx@X
4153 \newinsert\bx@Y
4154 \newinsert\bx@Z
4155 \newinsert\bx@a
4156 \newinsert\bx@b
4157 \newinsert\bx@c
4158 \newinsert\bx@d
4159 \newinsert\bx@e
4160 \newinsert\bx@f
4161 \newinsert\bx@g
4162 \newinsert\bx@h
4163 \newinsert\bx@i
4164 \newinsert\bx@j
4165 \newinsert\bx@k
4166 \newinsert\bx@l
4167 \newinsert\bx@m
4168 \newinsert\bx@n
4169 \newinsert\bx@o
4170 \newinsert\bx@p
4171 \newinsert\bx@q
4172 \newinsert\bx@r
4173 \newinsert\bx@s
4174 \newinsert\bx@t
4175 \newinsert\bx@u
4176 \newinsert\bx@v
4177 \newinsert\bx@w
4178 \newinsert\bx@x
4179 \newinsert\bx@y
4180 \newinsert\bx@z
4181 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4182 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4183 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4184 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4185 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4186 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4187 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4188 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4189 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4190 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4191 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v

```



```

4192         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4193 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4194 \ifthenelse{\isundefined{\bx@AA}}{%
4195     \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4196     \newinsert\bx@AA
4197     \newinsert\bx@BB
4198     \newinsert\bx@CC
4199     \newinsert\bx@DD
4200     \newinsert\bx@EE
4201     \newinsert\bx@FF
4202     \newinsert\bx@GG
4203     \newinsert\bx@HH
4204     \newinsert\bx@II
4205     \newinsert\bx@JJ
4206     \newinsert\bx@KK
4207     \newinsert\bx@LL
4208     \newinsert\bx@MM
4209     \newinsert\bx@NN
4210     \newinsert\bx@OO
4211     \newinsert\bx@PP
4212     \newinsert\bx@QQ
4213     \newinsert\bx@RR
4214     \newinsert\bx@SS
4215     \newinsert\bx@TT
4216     \newinsert\bx@UU
4217     \newinsert\bx@VV
4218     \newinsert\bx@WW
4219     \newinsert\bx@XX
4220     \newinsert\bx@YY
4221     \newinsert\bx@ZZ
4222 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4223     \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4224     \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4225     \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4226     \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4227     \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4228     \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4229     \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4230     \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4231     \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4232     \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4233     \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4234     \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4235     \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4236     \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4237     \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4238     \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4239     \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4240 }{%
4241 \bidituftefloatError{You may only call \string\morefloats\space twice. See the\MessageBreak

```



```

4242     {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\Message
4243     }%
4244   }%
4245 }
4246 \newboolean{@biditytfloat@packages@subfigure}
4247 \setboolean{@biditytfloat@packages@subfigure}{false}
4248 \AtBeginDocument{%
4249   \ifpackageloaded{subfigure}
4250     {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
4251     {\gsetboolean{@biditytfloat@packages@subfigure}{false}}%
4252 }
4253 \AtBeginDocument{%
4254   \ifpackageloaded{float}{%
4255     % Save the redefined float environment (instead of the LaTeX float environment)
4256     \let\@biditytfloat@orig@float\@float
4257     \let\@biditytfloat@orig@endfloat\endfloat
4258
4259     % Define Tufte float styles (with the caption in the margin)
4260     \newcommand{\floatc@biditytfloatplain}[2]{%
4261       \begin{lrbox}{\@biditytfloat@caption@box}%
4262         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
4263         \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4264       \end{minipage}%
4265       \end{lrbox}%
4266       \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4267     }
4268     \newcommand{\fs@biditytfloatplain}{%
4269       \def\@fs@cfont{\@biditytfloat@caption@font}%
4270       \let\@fs@capt\floatc@biditytfloatplain%
4271       \def\@fs@pre{}%
4272       \def\@fs@post{}%
4273       \def\@fs@mid{}%
4274       \let\@fs@iftopcapt\iftrue%
4275     }
4276     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4277     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4278     \newcommand\floatc@biditytfloatruled[2]{%
4279       {\@fs@cfont #1} #2\par%
4280     }
4281     \newcommand\fs@biditytfloatruled{%
4282       \def\@fs@cfont{\@biditytfloat@caption@font}%
4283       \let\@fs@capt\floatc@biditytfloatplain%
4284       \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4285       \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4286       \def\@fs@mid{}%
4287       \let\@fs@iftopcapt\iftrue%
4288     }
4289     \newcommand\fs@biditytfloatboxed{%
4290       \def\@fs@cfont{}%
4291       \let\@fs@capt\floatc@biditytfloatplain%

```



```

4292 \def\@fs@pre{%
4293 \setbox\@currbox\vbox{\hbadness10000
4294 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4295 \hrule \hbox to\hsize{\vrule\kern3pt
4296 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4297 }%
4298 \def\@fs@mid{\kern2pt}%
4299 \def\@fs@post{}%
4300 \let\@fs@iftopcapt\iftrue%
4301 }
4302 }{%
4303 % Nothing to do
4304 }
4305 }
4306 \AtBeginDocument{%
4307 \ifpackageloaded{algorithm}{%
4308 % Set the float style to the Tufte version
4309 \ifthenelse{\equal{\ALG@floatstyle}{plain}}{\OR\equal{\ALG@floatstyle}{ruled}}{\OR\equal{\ALG@floatstyle}{tufte}}{\ALG@floatstyle=tufte}
4310 \bidituftesfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to tufte}
4311 \floatstyle{bidituftesfloat\ALG@floatstyle}%
4312 \restylefloat{algorithm}%
4313 }{%
4314 }{%
4315 % Nothing to do
4316 }
4317 }
4318 \PassOptionsToPackage{caption=false}{subfig}

```

## 7.24 bidituftesidenote.sty

```

4319 \NeedsTeXFormat{LaTeX2e}
4320 \ProvidesPackage{bidituftesidenote}[2015/04/30 v0.3
4321 bidi implementation of tufte sidenote]
4322 \RequirePackage{xifthen}
4323 \RequirePackage{ragged2e}
4324 \RequirePackage{setspace}
4325 \RequirePackage{biditools}
4326 \def\bidituftesidenotemarginpar{%
4327 \ifhmode
4328 \@bsphack
4329 \@floatpenalty -\@Mii
4330 \else
4331 \@floatpenalty-\@Miii
4332 \fi
4333 \ifinner
4334 \@parmoderr
4335 \@floatpenalty\z@
4336 \else
4337 \@next\@currbox\@freelist{ }{}%
4338 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%

```



```

4339      {\@floatpenalty\z@
4340      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4341      \fi
4342      \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteypar}
4343 \long\def\@bidityftesidenotexmpar[#1]#2{%
4344   \@bidityftesidenotesavemarbox\@marbox{#1}%
4345   \@bidityftesidenotesavemarbox\@currbox{#2}%
4346   \@xympar}
4347 \long\def\@bidityftesidenoteypar#1{%
4348   \@bidityftesidenotesavemarbox\@marbox{#1}%
4349   \global\setbox\@currbox\copy\@marbox
4350   \@xympar}
4351 \long\def \@bidityftesidenotesavemarbox #1#2{%
4352   \global\setbox #1%
4353     \color@vbox
4354     \vtop{%
4355       \hsize\marginparwidth
4356       \@parboxrestore
4357       \@bidityftesidenotemarginparreset
4358       #2%
4359       \@minipagefalse
4360       \outer@nobreak
4361     }%
4362   \color@endbox
4363 }
4364 \def \@bidityftesidenotemarginparreset {%
4365   \reset@font
4366   \normalsize
4367   \@minipagetrue
4368   \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4369 }
4370 \def\LTRbidityftesidenotemarginpar{%
4371   \ifhmode
4372     \@bsphack
4373     \@floatpenalty -\@Mii
4374   \else
4375     \@floatpenalty-\@Miii
4376   \fi
4377   \ifinner
4378     \@parmoderr
4379     \@floatpenalty\z@
4380   \else
4381     \@next\@currbox\@freelist{}\}%
4382     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4383     {\@floatpenalty\z@
4384     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4385   \fi
4386   \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteypar}
4387 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4388   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%

```



```

4389 \LTRbiditytesidenotesavemarbox\@currbox{#2}%
4390 \xympar}
4391 \long\def\LTRbiditytesidenoteympar#1{%
4392 \LTRbiditytesidenotesavemarbox\@marbox{#1}%
4393 \global\setbox\@currbox\copy\@marbox
4394 \xympar}
4395 \long\def \LTRbiditytesidenotesavemarbox #1#2{%
4396 \global\setbox #1%
4397 \color@vbox
4398 \vtop{%
4399 \hsize\marginparwidth
4400 \@parboxrestore
4401 \LTRbiditytesidenotemarginparreset
4402 #2%
4403 \@minipagefalse
4404 \outer@nobreak
4405 }%
4406 \color@endbox
4407 }
4408 \def \LTRbiditytesidenotemarginparreset {%
4409 \reset@font
4410 \normalsize
4411 \@minipagetrue
4412 \everypar{\@minipagefalse\everypar{}\beginL}%
4413 }
4414 \def\RTLbiditytesidenotemarginpar{%
4415 \ifhmode
4416 \@@bsphack
4417 \@floatpenalty -\@Mii
4418 \else
4419 \@floatpenalty-\@Miii
4420 \fi
4421 \ifinner
4422 \@parmoderr
4423 \@floatpenalty\z@
4424 \else
4425 \@next\@currbox\@freelist{}\}%
4426 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4427 {\@floatpenalty\z@
4428 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4429 \fi
4430 \@ifnextchar [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
4431 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
4432 \RTLbiditytesidenotesavemarbox\@marbox{#1}%
4433 \RTLbiditytesidenotesavemarbox\@currbox{#2}%
4434 \xympar}
4435 \long\def\@RTLbiditytesidenoteympar#1{%
4436 \RTLbiditytesidenotesavemarbox\@marbox{#1}%
4437 \global\setbox\@currbox\copy\@marbox
4438 \xympar}

```



```

4439 \long\def \@RTLbiditytesidenotesavemarbox #1#2{%
4440   \global\setbox #1%
4441     \color@vbox
4442       \vtop{%
4443         \hsize\marginparwidth
4444         \@parboxrestore
4445         \@RTLbiditytesidenotemarginparreset
4446         #2%
4447         \@minipagefalse
4448         \outer@nobreak
4449       }%
4450   \color@endbox
4451 }
4452 \def \@RTLbiditytesidenotemarginparreset {%
4453   \reset@font
4454   \normalsize
4455   \@minipagetrue
4456   \everypar{\@minipagefalse\everypar{}\beginR}%
4457 }
4458 \newcommand{\@biditytesidenote@marginfont}{\normalfont\footnotesize}
4459 \newcommand*{\@biditytesidenote@sidenote@font}{\@biditytesidenote@marginfont}
4460 \newcommand*{\@biditytesidenote@marginnote@font}{\@biditytesidenote@marginfont}
4461 \newcommand*{\@biditytesidenote@citation@font}{\@biditytesidenote@marginfont}
4462 \newcommand*{\@bidityteLTRsidenote@citation@font}{\@biditytesidenote@marginfont}
4463 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@biditytesidenote@sidenote@font}{#1}}
4464 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@biditytesidenote@marginnote@font}{#1}}
4465 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@biditytesidenote@citation@font}{#1}}
4466 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityteLTRsidenote@citation@font}{#1}}
4467 \newcommand*{\@biditytesidenote@sidenote@justification}{\@biditytesidenote@justification@au}
4468 \newcommand*{\@biditytesidenote@marginnote@justification}{\@biditytesidenote@justification@au}
4469 \newcommand*{\@biditytesidenote@citation@justification}{\@biditytesidenote@justification@au}
4470 \newcommand*{\@biditytesidenote@justification@autodetect}{\justifying}%
4471 \newcommand{\@biditytesidenote@margin@par}{%
4472   \setlength{\RaggedRightParindent}{0.5pc}%
4473   \setlength{\JustifyingParindent}{0.5pc}%
4474   \setlength{\parindent}{0.5pc}%
4475   \setlength{\parskip}{0pt}%
4476 }
4477 %%
4478 % Globally sets the length
4479 \@ifundefined{gsetlength}{%
4480 \newcommand*{\gsetlength}[2]{%
4481   \setlength{#1}{#2}%
4482   \global#1=#1\relax%
4483 }%
4484 }{}
4485 %%
4486 % Globally sets a boolean
4487 \@ifundefined{gsetboolean}{%
4488 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg

```



```

4489 \lowercase{\def\@tempa{#2}}%
4490 \ifundefined{@tempwa\@tempa}%
4491 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4492 {\ifundefined{#1\@tempa}%
4493 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4494 {\global\csname#1\@tempa\endcsname}%
4495 }%
4496 }%
4497 }{}
4498 %%
4499 % A function that removes leading and trailing spaces from the supplied macro.
4500 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4501 % Executing \@bidityftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4502 % being trimmed of leading and trailing white space.
4503 \catcode\Q=3
4504 \def\@bidityftesidenote@trim@spaces#1{%
4505 % Use grouping to emulate a multi-token afterassignment queue
4506 \begingroup%
4507 % Put ``\toks 0 {' into the afterassignment queue
4508 \aftergroup\toks\aftergroup0\aftergroup{%
4509 % Apply \trimb to the replacement text of #1, adding a leading
4510 % \noexpand to prevent brace stripping and to serve another purpose
4511 % later.
4512 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4513 % Transfer the trimmed text back into #1.
4514 \edef#1{\the\toks0}%
4515 }
4516 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4517 % clean up any leftover bizarre Qs, and trim a leading space. In
4518 % order for \trimc to work properly we need to put back a Q first.
4519 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4520 % Execute \vfuzz assignment to remove leading space; the \noexpand
4521 % will now prevent unwanted expansion of a macro or other expandable
4522 % token at the beginning of the trimmed text. The \endgroup will feed
4523 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4524 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4525 \catcode\Q=11
4526 %%
4527 % Citations should go in the margin as sidenotes
4528
4529 \RequirePackage{natbib}
4530 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environmen
4531 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4532 \renewcommand\BR@b@bibitem[2] [] {%
4533 \ifthenelse{\isempty{#1}}%
4534 {\BR@bibitem{#2}}%
4535 {\BR@bibitem[#1]{#2}}%
4536 \BR@c@bibitem{#2}%
4537 }
4538 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys

```





```

4539 %%
4540 % Normal \cite behavior
4541 \newcounter{@biditytesidenote@num@bibkeys}%
4542 \newcommand{@@biditytesidenote@normal@cite}[2][Opt]{%
4543   % Snag the last bibentry in the list for later comparison
4544   \let\@temp@last@bibkey\empty%
4545   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4546   \sidenote[] [#1]{%
4547     % Loop through all the bibentries, separating them with semicolons and spaces
4548     \normalsize\normalfont\@biditytesidenote@citation@font%
4549     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4550     \@for\@temp@bibkeyx:=#2\do{%
4551       \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4552       {\ifthenelse{equal{value{@biditytesidenote@num@bibkeys}}{0}}{and\ }%
4553       \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4554       \bibentry{\@temp@bibkeyx}}%
4555       {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4556       \bibentry{\@temp@bibkeyx};\ }%
4557       \stepcounter{@biditytesidenote@num@bibkeys}%
4558     }%
4559   }%
4560 }
4561 \newcommand{@@bidityteLTRsidenote@normal@cite}[2][Opt]{%
4562   % Snag the last bibentry in the list for later comparison
4563   \let\@temp@last@bibkey\empty%
4564   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4565   \LTRsidenote[] [#1]{%
4566     % Loop through all the bibentries, separating them with semicolons and spaces
4567     \normalsize\normalfont\@bidityteLTRsidenote@citation@font%
4568     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4569     \@for\@temp@bibkeyx:=#2\do{%
4570       \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4571       {\ifthenelse{equal{value{@biditytesidenote@num@bibkeys}}{0}}{and\ }%
4572       \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4573       \bibentry{\@temp@bibkeyx}}%
4574       {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4575       \bibentry{\@temp@bibkeyx};\ }%
4576       \stepcounter{@biditytesidenote@num@bibkeys}%
4577     }%
4578   }%
4579 }
4580 \newcommand{@@bidityteRTLsidenote@normal@cite}[2][Opt]{%
4581   % Snag the last bibentry in the list for later comparison
4582   \let\@temp@last@bibkey\empty%
4583   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4584   \RTLsidenote[] [#1]{%
4585     % Loop through all the bibentries, separating them with semicolons and spaces
4586     \normalsize\normalfont\@biditytesidenote@citation@font%
4587     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4588     \@for\@temp@bibkeyx:=#2\do{%

```



```

4589 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4590 {\ifthenelse{\equal{\value{@biditufte sidenote@num@bibkeys}}{0}}{\and\}%
4591 \@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4592 \bibentry{\@temp@bibkeyx}}%
4593 {\@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4594 \bibentry{\@temp@bibkeyx};\}%
4595 \stepcounter{@biditufte sidenote@num@bibkeys}%
4596 }%
4597 }%
4598 }
4599 %%
4600 % Macros for holding the list of cite keys until after the \sidenote
4601 \gdef\@biditufte sidenote@citations{}% list of cite keys
4602 \newcommand\@biditufte sidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4603 \ifx\@biditufte sidenote@citations\@empty\else
4604 \g@addto@macro\@biditufte sidenote@citations{,}% separate by commas
4605 \fi
4606 \g@addto@macro\@biditufte sidenote@citations{#1}
4607 }
4608 \newcommand{\@biditufte sidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4609 % Snag the last bibentry in the list for later comparison
4610 \let\@temp@last@bibkey\@empty%
4611 \@for\@temp@bibkey:=\@biditufte sidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4612 \marginpar{%
4613 \hbox{\vspace*{#1}%
4614 \@biditufte sidenote@citation@font%
4615 \@biditufte sidenote@citation@justification%
4616 \@biditufte sidenote@margin@par% use parindent and parskip settings for marginal text
4617 \vspace*{-1\baselineskip}}%
4618 % Loop through all the bibentries, separating them with semicolons and spaces
4619 \setcounter{@biditufte sidenote@num@bibkeys}{0}%
4620 \@for\@temp@bibkeyx:=\@biditufte sidenote@citations\do{%
4621 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4622 {\ifthenelse{\equal{\value{@biditufte sidenote@num@bibkeys}}{0}}{\and\}%
4623 \@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4624 \bibentry{\@temp@bibkeyx}}%
4625 {\@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4626 \bibentry{\@temp@bibkeyx};\}%
4627 \stepcounter{@biditufte sidenote@num@bibkeys}%
4628 }%
4629 }%
4630 }
4631 %%
4632 % \cite behavior when executed within a sidenote
4633 \newcommand{\@biditufte sidenote@sidenote@citations}{}% contains list of \cites in sidenote
4634 \newcommand{\@biditufte sidenote@infootnote@cite}[1]{%
4635 \@biditufte sidenote@add@citation{#1}
4636 }
4637 %%
4638 % Set the default \cite style. This is set and reset by the \sidenote command.

```



```

4639 \let\cite\@bidityftesidenote@normal@cite
4640 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
4641 \let\RTLcite\@bidityfteRTLsidenote@normal@cite
4642 %%
4643 % Transform existing \footnotes into \sidenotes
4644 % Sidenote: ``Where God meant footnotes to go.' ' ---bidityftesidenote
4645 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4646 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@}
4647 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@}
4648 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4649 % sidenote's text block.
4650 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark#1{\@textsuperscript{\@bidityftesidenote@}#1}}
4651 % Set the in-text footnote mark in the same typeface as the body text itself.
4652 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@}#1}}}
4653 \providecommand*{\multiplefootnotemarker}{3sp}
4654 \providecommand*{\multfootsep}{,}
4655 \bidi@patch@AfterPackage{bidi}{%
4656 \renewcommand{\@footnotemark}{%
4657 \leavevmode%
4658 \ifhmode%
4659 \edef\x@sf{\the\spacefactor}%
4660 \@bidityftesidenote@check@multiple@sidenotes%
4661 \nobreak%
4662 \fi%
4663 \@makefnmark%
4664 \ifhmode\spacefactor\x@sf\fi%
4665 \relax%
4666 }%
4667 }
4668 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
4669 \ifdim\lastkern=\multiplefootnotemarker\relax%
4670 \edef\x@sf{\the\spacefactor}%
4671 \unkern%
4672 \textsuperscript{\multfootsep}%
4673 \spacefactor\x@sf\relax%
4674 \fi
4675 }
4676 \bidi@patch@AfterPackage{bidi}{%
4677 \renewcommand\@footnotetext[2][Opt]{%
4678 \bidityftesidenotemarginpar{%
4679 \hbox{\vspace*{#1}}%
4680 \def\baselinestretch {\setspace@singlespace}%
4681 \reset@font\footnotesize%
4682 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4683 \vspace*{-1\baselineskip}\noindent%
4684 \protected@edef\@currentlabel{%
4685 \csname p@footnote\endcsname\@thefnmark%
4686 }%
4687 \color@begingroup%
4688 \makefnmark%

```



```

4689         \ignorespaces#2%
4690     }%
4691     \color@endgroup%
4692 }%
4693 }%
4694 \renewcommand\@LTRfootnotetext[2][Opt]{%
4695     \LTRbidityftesidenotemarginpar{%
4696         \hbox{}\vspace*{#1}%
4697         \def\baselinestretch {\setspace@singlespace}%
4698         \reset@font\footnotesize%
4699         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4700         \vspace*{-1\baselineskip}\noindent%
4701         \protected@edef\@currentlabel{%
4702             \csname p@footnote\endcsname\@thefnmark%
4703         }%
4704         \color@begingroup%
4705             \@makefntext{%
4706                 \ignorespaces#2%
4707             }%
4708         \color@endgroup%
4709     }%
4710 }%
4711 \renewcommand\@RTLfootnotetext[2][Opt]{%
4712     \RTLbidityftesidenotemarginpar{%
4713         \hbox{}\vspace*{#1}%
4714         \def\baselinestretch {\setspace@singlespace}%
4715         \reset@font\footnotesize%
4716         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4717         \vspace*{-1\baselineskip}\noindent%
4718         \protected@edef\@currentlabel{%
4719             \csname p@footnote\endcsname\@thefnmark%
4720         }%
4721         \color@begingroup%
4722             \@makefntext{%
4723                 \ignorespaces#2%
4724             }%
4725         \color@endgroup%
4726     }%
4727 }%
4728 }
4729 %
4730 % Define \sidenote command. Can handle \cite.
4731 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4732 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4733 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4734 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4735     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4736     \gdef\@bidityftesidenote@citations{}}% clear out any old citations
4737     \ifthenelse{\NOT\isempty{#2}}{%
4738         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%

```



```

4739 }{%
4740   \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
4741 }%
4742 \ifthenelse{\isempty{#1}}{%
4743   % no specific footnote number provided
4744   \stepcounter{\mpfn}%
4745   \protected@xdef\@thefnmark{\thempfn}%
4746   \@footnotemark\@footnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4747 }{%
4748   % specific footnote number provided
4749   \begingroup%
4750     \csname c@\mpfn\endcsname #1\relax%
4751     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4752   \endgroup%
4753   \@footnotemark\@footnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4754 }%
4755 \@bidiuftesidenote@print@citations%          print any citations
4756 \let\cite\@bidiuftesidenote@normal@cite%      go back to using normal in-text \cite command
4757 \let\LTRcite\@bidiufteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4758 \let\RTLcite\@bidiufteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4759 \unskip\ignorespaces%                        remove extra white space
4760 \kern-\multiplefootnotemarker%               remove \kern left behind by sidenote
4761 \kern\multiplefootnotemarker\relax%          add new \kern here to replace the one we yanked
4762 }
4763 \long\def\@LTRbidiuftesidenote@sidenote[#1][#2]#3{%
4764   \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
4765   \gdef\@bidiuftesidenote@citations{}%        clear out any old citations
4766   \ifthenelse{\NOT\isempty{#2}}{%
4767     \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
4768   }{%
4769     \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
4770   }%
4771   \ifthenelse{\isempty{#1}}{%
4772     % no specific footnote number provided
4773     \stepcounter{\mpfn}%
4774     \protected@xdef\@thefnmark{\thempfn}%
4775     \@footnotemark\@LTRfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4776   }{%
4777     % specific footnote number provided
4778     \begingroup%
4779       \csname c@\mpfn\endcsname #1\relax%
4780       \unrestored@protected@xdef\@thefnmark{\thempfn}%
4781     \endgroup%
4782     \@footnotemark\@LTRfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4783   }%
4784   \@bidiuftesidenote@print@citations%          print any citations
4785   \let\cite\@bidiuftesidenote@normal@cite%      go back to using normal in-text \cite command
4786   \let\LTRcite\@bidiufteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4787   \let\RTLcite\@bidiufteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4788   \unskip\ignorespaces%                        remove extra white space

```



```

4789 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
4790 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4791 }
4792 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
4793 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4794 \gdef\@bidityftesidenote@citations{%      clear out any old citations
4795 \ifthenelse{\NOT\isempty{#2}}{%
4796 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4797 }{%
4798 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4799 }%
4800 \ifthenelse{\isempty{#1}}{%
4801 % no specific footnote number provided
4802 \stepcounter\@mpfn%
4803 \protected@xdef\@thefnmark{\thempfn}%
4804 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4805 }{%
4806 % specific footnote number provided
4807 \begingroup%
4808 \csname c@\@mpfn\endcsname #1\relax%
4809 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4810 \endgroup%
4811 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4812 }%
4813 \@bidityftesidenote@print@citations%      print any citations
4814 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4815 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4816 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite co
4817 \unskip\ignorespaces%      remove extra white space
4818 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
4819 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4820 }
4821 \newcommand{\sidenote}{\@optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
4822 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
4823 \newcommand{\RTLSidenote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
4824 \bidi@patch@AfterPackage{bidi}{%
4825 \renewcommand{\footnote}{\@optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
4826 \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
4827 \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
4828 }
4829 %%
4830 % Sidenote without the footnote mark
4831 \newcommand\marginnote[2][Opt]{%
4832 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4833 \gdef\@bidityftesidenote@citations{%      clear out any old citations
4834 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4835 \@bidityftesidenote@print@citations%      print any citations
4836 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4837 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4838 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite co

```



```

4839 }
4840 \newcommand\LTRmarginnote[2][Opt]{%
4841   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4842   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4843   \LTRbidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
4844   \@bidityftesidenote@print@citations% print any citations
4845   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4846   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite command
4847   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite command
4848 }
4849 \newcommand\RTLmarginnote[2][Opt]{%
4850   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4851   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4852   \RTLbidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
4853   \@bidityftesidenote@print@citations% print any citations
4854   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4855   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite command
4856   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite command
4857 }

```

## 7.25 bidityftetoc.sty

```

4858 \NeedsTeXFormat{LaTeX2e}
4859 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
4860 bidi implementation of tufte toc]
4861 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
4862 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
4863 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
4864 %%
4865 % Turn off section numbering
4866 \setcounter{secnumdepth}{-1}
4867 \newboolean{\@bidityftetoc@toc}
4868 \setboolean{\@bidityftetoc@toc}{true}
4869 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}
4870 \DeclareOption{toc}{\setboolean{\@bidityftetoc@toc}{true}}
4871 \ProcessOptions
4872 %%
4873 % Make Tufte-style section headings and TOC formatting
4874 \bidityft@patch@AfterPackage{bidi}{%
4875   \titleformat{\chapter}%
4876     [display]% shape
4877     {\relax\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format applied to label
4878     {\itshape\huge\thechapter}% label
4879     {0pt}% horizontal separation between label and title body
4880     {\huge\rmfamily\itshape}% before the title body
4881     [\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title body
4882   \titleformat{\section}%
4883     [hang]% shape
4884     {\normalfont\Large\itshape}% format applied to label+text
4885     {\thesection}% label

```



```

4886 {1em}% horizontal separation between label and title body
4887 {}% before the title body
4888 []% after the title body
4889 \titleformat{\subsection}%
4890 [hang]% shape
4891 {\normalfont\large\itshape}% format applied to label+text
4892 {\thesubsection}% label
4893 {1em}% horizontal separation between label and title body
4894 {}% before the title body
4895 []% after the title body
4896 \titleformat{\paragraph}%
4897 [runin]% shape
4898 {\normalfont\itshape}% format applied to label+text
4899 {\theparagraph}% label
4900 {1em}% horizontal separation between label and title body
4901 {}% before the title body
4902 []% after the title body
4903 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4904 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4905 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4906 }
4907 % Subsubsection and following section headings shouldn't be used.
4908 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4909 \renewcommand\subsubsection{%
4910 \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
4911 \MessageBreak See Robert Bringhurst's _The Elements of
4912 \MessageBreak Typographic Style_, section 4.2.2.
4913 \MessageBreak \noexpand\subsubsection was used}
4914 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4915 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4916 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
4917 }
4918 \renewcommand\subparagraph{%
4919 \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
4920 \MessageBreak See Robert Bringhurst's _The Elements of
4921 \MessageBreak Typographic Style_, section 4.2.2.
4922 \MessageBreak \noexpand\subparagraph was used}
4923 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4924 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4925 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
4926 }
4927 % Formatting for main TOC (printed in front matter)
4928 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4929 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
4930 \bidi@patch@AfterPackage{bidi}{%
4931 \titlecontents{part}% FIXME
4932 [Oem] % distance from left margin
4933 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4934 {\contentslabel{2em}} % before w/label (label = ``II'')
4935 {} % before w/o label

```





```

4936 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4937 [\end{fullwidth}] % after
4938 \titlecontents{chapter}%
4939 [0em] % distance from left margin
4940 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4941 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4942 {\hspace*{0em}} % before w/o label
4943 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4944 [\end{fullwidth}] % after
4945 \titlecontents{section}% FIXME
4946 [0em] % distance from left margin
4947 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4948 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4949 {\hspace*{2em}} % before w/o label
4950 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4951 [\end{fullwidth}] % after
4952 \titlecontents{subsection}% FIXME
4953 [0em] % distance from left margin
4954 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4955 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4956 {\hspace*{4em}} % before w/o label
4957 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4958 [\end{fullwidth}] % after
4959 \titlecontents{paragraph}% FIXME
4960 [0em] % distance from left margin
4961 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global formatting)
4962 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4963 {\hspace*{6em}} % before w/o label
4964 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4965 [\end{fullwidth}] % after
4966 }%
4967 }{}
4968 %%
4969 % Format lists of figures/tables
4970 \renewcommand\listoffigures{%
4971 \@ifundefined{chapter}%
4972 {\section*{\listfigurename}}%
4973 {\chapter*{\listfigurename}}%
4974 % \begin{fullwidth}%
4975 % \@starttoc{lof}%
4976 % \end{fullwidth}%
4977 }
4978 \renewcommand\listoftables{%
4979 \@ifundefined{chapter}%
4980 {\section*{\listtablename}}%
4981 {\chapter*{\listtablename}}%
4982 % \begin{fullwidth}%
4983 % \@starttoc{lot}%
4984 % \end{fullwidth}%
4985 }

```



```

4986 \newcommand{\@bidityfttoc@lof@line}[2]{%
4987   % #1 is the figure/table number and its caption text
4988   % #2 is the page number on which the figure/table appears
4989   \leftskip 0.0em
4990   \rightskip 0em
4991   \parfillskip 0em plus 1fil
4992   \parindent 0.0em
4993   \@afterindenttrue
4994   \interlinepenalty\@M
4995   \leavevmode
4996   \@tempdima 2.0em
4997   \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4998   \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
4999   {#1}\nobreak\qqquad\nobreak#2%
5000   \par%
5001 }
5002 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5003 \let\l@table\l@figure

```

## 7.26 bidityftgeneralstructure.sty

```

5004 \NeedsTeXFormat{LaTeX2e}
5005 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5006 bidi implementation of tufte general structure]
5007 \renewcommand\small{%
5008   \@setfontsize\small\@ixpt{12}%
5009   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5010   \abovedisplayshortskip \z@ \@plus2\p@
5011   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5012   \def\@listi{\leftmargin\leftmargini
5013             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5014             \parsep 2\p@ \@plus\p@ \@minus\p@
5015             \itemsep \parsep}%
5016   \belowdisplayskip \abovedisplayskip
5017 }
5018 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5019 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5020 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5021 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5022 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5023 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5024 \renewcommand\Huge{\@setfontsize\Huge\@24pt{36}}
5025 \setlength\leftmargini {1pc}
5026 \setlength\leftmarginii {1pc}
5027 \setlength\leftmarginiii {1pc}
5028 \setlength\leftmarginiv {1pc}
5029 \setlength\leftmarginv {1pc}
5030 \setlength\leftmarginvi {1pc}
5031 \setlength\labelsep {0.5pc}
5032 \setlength\labelwidth {\leftmargini}

```



```

5033 \addtolength\labelwidth{-\labelsep}
5034 \setlength{\parindent}{1.0pc}%
5035 \setlength{\parskip}{0pt}%
5036 \RequirePackage{ragged2e}
5037 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5038 % Paragraph indentation and separation for normal text
5039 \newcommand{@bidiuftgeneralstructure@reset@par}{%
5040   \setlength{\RaggedRightParindent}{1.0pc}%
5041   \setlength{\JustifyingParindent}{1.0pc}%
5042   \setlength{\parindent}{1pc}%
5043   \setlength{\parskip}{0pt}%
5044 }
5045 @bidiuftgeneralstructure@reset@par
5046 % Require paralist package for tighter lists
5047 \RequirePackage{paralist}
5048 % Add rightmargin to compactenum
5049 \def@compactenum@{%
5050   \expandafter\list\csname label\@enumctr\endcsname{%
5051     \usecounter{\@enumctr}%
5052     \rightmargin=2em% added this
5053     \parsep\plparsep
5054     \itemsep\plitemsep
5055     \topsep\pltopsep
5056     \partopsep\plpartopsep
5057     \def\makelabel##1{\hss\llap{##1}}}}
5058 %%
5059 % An environment for paragraph-style section
5060 \providecommand\newthought[1]{%
5061   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5062   \noindent\textbf{#1}%
5063 }
5064 %%
5065 % Redefine the display environments (quote, quotation, etc.)
5066 \renewenvironment{verse}
5067   {\let\\\@centercr
5068    \list{}{\itemsep \z@
5069             \itemindent -1pc%
5070             \listparindent\itemindent
5071             \rightmargin \leftmargin
5072             \advance\leftmargin 1pc}%
5073    \small%
5074    \item\relax}
5075   {\endlist}
5076 \renewenvironment{quotation}
5077   {\list{}{\listparindent 1pc%
5078             \itemindent \listparindent
5079             \rightmargin \leftmargin
5080             \parsep \z@ \@plus\p@}%
5081    \small%
5082    \item\relax\noindent\ignorespaces}

```



```

5083             {\endlist}
5084 \renewenvironment{quote}
5085             {\list{}{\rightmargin\leftmargin}%
5086              \small%
5087              \item\relax}
5088             {\endlist}
5089 % Italicize description run-in headings (instead of the default bold)
5090 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5091 %%
5092 % Redefine \bibsection to not mark the running heads.
5093 % (Code modified from natbib.sty.)
5094 \@ifundefined{chapter}%
5095   {\renewcommand\bibsection{\section*{\refname}}}
5096   {\@ifundefined{NAT@sectionbib}%
5097     {\renewcommand\bibsection{\chapter{\bibname}}}
5098     {\renewcommand\bibsection{\section*{\bibname}}}}
5099 \RequirePackage{multicol}
5100 \renewenvironment{theindex}{%
5101 \@ifundefined{chapter}%
5102   {\section*{\indexname}}%
5103   {\chapter{\indexname}}%
5104   \begin{fullwidth}%
5105   \small%
5106   \parskip0pt%
5107   \parindent0pt%
5108   \let\item\@idxitem%
5109   \begin{multicols}{3}%
5110 }{%
5111   \end{multicols}%
5112   \end{fullwidth}%
5113 }
5114 \AtBeginDocument{%
5115 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5116 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5117 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5118 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5119 \newcommand\lettergroup[1]{}% swallow the letter heading in the index

```

## 7.27 bidituftehyperref.sty

```

5120 \NeedsTeXFormat{LaTeX2e}
5121 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5122 bidi implementation of tufte hyperref]
5123 %%
5124 % Color
5125 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5126 \newboolean{@bidituftehyperref@loadhyper}
5127 \setboolean{@bidituftehyperref@loadhyper}{true}
5128 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5129 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}

```



```

5130 \ProcessOptions
5131 %% Loads the hyperref package and sets some default options.
5132 \newcommand{\biditytfehyperrefLoadHyperref}{%
5133 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5134 \hypersetup{%
5135     bookmarksdepth = section,
5136     citecolor = DarkGreen,
5137     linkcolor = DarkBlue,
5138 %     pagecolor = DarkBlue,
5139     urlcolor = DarkGreen,
5140 }%
5141 }
5142 \ifthenelse{\boolean{@biditytfehyperref@loadhyper}}{%
5143     \biditytfehyperrefLoadHyperref%
5144 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5145     \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5146 }

```

## 7.28 biditytftitle.sty

```

5147 \NeedsTeXFormat{LaTeX2e}
5148 \ProvidesPackage{biditytftitle}[2011/06/18 v0.1
5149 bidi implementation of tufte title]
5150 \RequirePackage{biditytools}
5151 %%
5152 % `titlepage' option -- creates a full title page with \maketitle
5153 \newboolean{@biditytftitle@titlepage}
5154 \DeclareOption{titlepage}{\setboolean{@biditytftitle@titlepage}{true}}
5155 \DeclareOption{notitlepage}{\setboolean{@biditytftitle@titlepage}{false}}
5156 % Default `book' and `handout' options
5157 \ifclassloaded{book}{%
5158 \ExecuteOptions{titlepage}}{%
5159 \ifclassloaded{article}{%
5160 \ExecuteOptions{notitlepage}}%
5161 {}}
5162 \ProcessOptions
5163 %%
5164 % Modified \title, \author, and \date commands. These store the
5165 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5166 \newcommand{\plaintitle}{}% plain-text-only title
5167 \newcommand{\plainauthor}{}% plain-text-only author
5168 \newcommand{\plainpublisher}{}% plain-text-only publisher
5169 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5170 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5171 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5172 \newcommand{\@publisher}{}% full publisher with \thanks{}
5173 \newcommand{\thedate}{\today}
5174 \bidity@patch@AfterPackage{bidi}{%
5175 \renewcommand{\thanks}[1]{\footnote{#1}}
5176 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}

```



```

5177 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5178 }
5179 \renewcommand{\title}[2][]{%
5180   \gdef\@title{#2}%
5181   \begingroup%
5182     % TODO store contents of \thanks command
5183     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5184     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5185     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5186     \protected@xdef\thanklesstitle{#2}%
5187   \endgroup%
5188   \ifthenelse{\isempty{#1}}{%
5189     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5190     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5191   \@ifundefined{hypersetup}%
5192     {}% hyperref is not loaded; do nothing
5193     {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5194 }
5195 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5196 \renewcommand{\author}[2][]{%
5197   \ifthenelse{\isempty{#2}}{-}{\gdef\@author{#2}}%
5198   \begingroup%
5199     % TODO store contents of \thanks command
5200     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5201     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5202     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5203     \protected@xdef\thanklessauthor{#2}%
5204   \endgroup%
5205   \ifthenelse{\isempty{#1}}{%
5206     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5207     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5208   \@ifundefined{hypersetup}%
5209     {}% hyperref is not loaded; do nothing
5210     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5211 }
5212 \renewcommand{\date}[1]{%
5213   \gdef\@date{#1}%
5214   \begingroup%
5215     % TODO store contents of \thanks command
5216     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5217     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5218     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5219     \protected@xdef\thedata{#1}%
5220   \endgroup%
5221 }
5222 %%
5223 % Provides a \publisher command to set the publisher
5224 \newcommand{\publisher}[2][]{%
5225   \gdef\@publisher{#2}%
5226   \begingroup%

```



```

5227 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5228 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5229 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5230 \protected@xdef\thanklesspublisher{#2}%
5231 \endgroup%
5232 \ifthenelse{\isempty{#1}}
5233 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5234 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5235 }
5236 %%
5237 % Produces a full title page
5238 \newcommand{\maketitlepage}[0]{%
5239 \cleardoublepage%
5240 {%
5241 \bfseries%
5242 \begin{fullwidth}%
5243 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5244 \vspace{11.5pc}%
5245 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5246 \vfill%
5247 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5248 \end{fullwidth}%
5249 }
5250 \thispagestyle{empty}%
5251 \clearpage%
5252 }
5253 %%
5254 % Title block
5255 \bidi@AfterEndPreamble{%
5256 \renewcommand{\maketitle}{%
5257 \newpage%
5258 \global\@topnum\z@% prevent floats from being placed at the top of the page
5259 \begin{group}%
5260 \setlength{\parindent}{0pt}%
5261 \setlength{\parskip}{4pt}%
5262 \let\@title\@empty%
5263 \let\@author\@empty%
5264 \let\@date\@empty%
5265 \gdef\@title{\LARGE\itshape\@title\par}%
5266 \gdef\@author{\Large\itshape\@author\par}%
5267 \gdef\@date{\Large\itshape\@date\par}%
5268 \@title%
5269 \@author%
5270 \@date%
5271 \end{group}%
5272 \thispagestyle{plain}}% suppress the running head
5273 }%
5274 }
5275 %%
5276 % Title page (if the `titlepage' option was passed to the bidentitftitle-handout

```



```

5277 % class.)
5278 \bidi@AfterEndPreamble{%
5279 \ifthenelse{\boolean{@biditytetitle@titlepage}}
5280 {\renewcommand{\maketitle}{\maketitlepage}}
5281 {}
5282 }
5283 %%
5284 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5285 % without headers and footers
5286 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5287 \hbox{}
5288 \vspace*{\fill}
5289 \begin{center}
5290 % This page intentionally contains only this sentence.
5291 \end{center}
5292 \vspace{\fill}
5293 \thispagestyle{empty}
5294 \newpage
5295 \if@twocolumn\hbox{}\newpage\fi\fi}

```

## 7.29 bidityfte-handout.cls

```

5296 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5297 \ProvidesClass{bidityfte-handout}[2011/06/18 v0.1 bidityfte-handout class]
5298 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5299 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityftefloat}}
5300 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityftetoc}}
5301 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityftehyperref}}
5302 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityftetitle}}
5303 \ProcessOptions\relax
5304 \LoadClass{article}
5305 \RequirePackage{bidityftefloat}
5306 \RequirePackage{bidityftesidenote}
5307 \RequirePackage{bidityftetoc}
5308 \RequirePackage{bidityftegeneralstructure}
5309 \RequirePackage{bidityftehyperref}
5310 \RequirePackage{bidityftetitle}
5311 \renewenvironment{abstract}
5312 {\begin{quotation}}
5313 {\end{quotation}}
5314 \AtBeginDocument{%
5315 \IfFileExists{bidityfte-handout.cfg}
5316 {\input{bidityfte-handout.cfg}
5317 \ClassInfo{bidityfte-handout}{Loading bidityfte-handout configuration file \@gobble}}
5318 {}%
5319 }

```

## 7.30 bidityfte-book.cls

```

5320 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5321 \ProvidesClass{bidityfte-book}[2011/06/18 v0.1 bidityfte-book class]

```





```

5322 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5323 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiutfefloat}}
5324 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetoc}}
5325 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftehyperref}}
5326 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetitle}}
5327 \ProcessOptions\relax
5328 \LoadClass{book}
5329 \RequirePackage{bidiuftefloat}
5330 \RequirePackage{bidiuftesidenote}
5331 \RequirePackage{bidiuftetoc}
5332 \RequirePackage{bidiuftegeneralstructure}
5333 \RequirePackage{bidiuftehyperref}
5334 \RequirePackage{bidiuftetitle}
5335 %%
5336 % Set up any book-specific stuff now
5337 %%
5338 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5339 % to the opening page of Chapter 1. The running heads, when they appear,
5340 % contain only the (arabic) page number in the outside corner.
5341 %\newif\if@mainmatter \@mainmattertrue
5342 \renewcommand\frontmatter{%
5343   \cleardoublepage%
5344   \@mainmatterfalse%
5345   \pagenumbering{arabic}%
5346   %\pagestyle{plain}%
5347   \fancyhf{}}%
5348   \ifthenelse{\boolean{@bidiuftefloat@twoside}}{%
5349     {\fancyhead[LE,RO]{\thepage}}%
5350     {\fancyhead[RE,RO]{\thepage}}%
5351 }
5352 %%
5353 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5354 % numbering---it continues where it left off in the front matter.
5355 \renewcommand\mainmatter{%
5356   \cleardoublepage%
5357   \@mainmattertrue%
5358   \fancyhf{}}%
5359   \ifthenelse{\boolean{@bidiuftefloat@twoside}}{%
5360     {\renewcommand\chaptermark}[1]{\markboth{##1}{}}%
5361     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5362     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5363     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5364 }
5365 %%
5366 % The back matter contains appendices, indices, glossaries, endnotes,
5367 % bibliographies, list of contributors, illustration credits, etc.
5368 \renewcommand\backmatter{%
5369   \if@openright%
5370     \cleardoublepage%
5371   \else%

```



```

5372 \clearpage%
5373 \fi%
5374 \@mainmatterfalse%
5375 }
5376 %%
5377 % Only show the chapter titles in the table of contents
5378 \setcounter{tocdepth}{0}
5379 \AtBeginDocument{%
5380 \IfFileExists{biditufte-book.cfg}
5381 {\input{biditufte-book.cfg}
5382 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5383 {}%
5384 }

```

### 7.31 bidipoem.sty

```

5385 \NeedsTeXFormat{LaTeX2e}
5386 \ProvidesPackage{bidipoem}%
5387 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5388
5389 % Usage:
5390 %
5391 % \Setversedim #1#2 % define the layout (within a group):
5392 % #1 = length of both half-verses
5393 % #2 = separation distance = length of a connection, if present
5394 % Variant:
5395 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5396 % #1 = length of first (=right) half-verse
5397 % #2 = length of second (=left) half-verse
5398 % #3 = separation distance = length of a connection, if present
5399 %
5400 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5401 % #1 = text of first (=right) half-verse
5402 % #2 = text of second (=left) half-verse
5403 % Variant:
5404 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5405 % #1 = text of first (=right) half-verse
5406 % #2 = text of connection
5407 % #3 = text of second (=left) half-verse
5408 %
5409 % Alternative (if preferred):
5410 %
5411 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5412
5413
5414 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5415
5416 % define the layout, verses will be centered
5417
5418 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep

```



```

5419 \newdimen \bidipoem@hvind \newdimen \bidipoem@hrlen
5420
5421 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5422 \bidipoem@hvind \textwidth
5423 \bidipoem@hrlen #1\relax \advance \bidipoem@hvind -\bidipoem@hrlen
5424 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
5425 \bidipoem@hrlen \bidipoem@hrlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5426
5427 \def \bidipoem@set@verseI [#1]{% optional parameter
5428 \bidipoem@hrlen #1\relax \bidipoem@set@@verse }
5429
5430 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5431 \advance \bidipoem@hvind -\bidipoem@hrlen \bidipoem@hvsep #1\relax
5432 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5433
5434 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5435 \ifdim Opt > \bidipoem@hvind %
5436 \bidipoem@spreadbox \bidipoem@hrlen {#1}\ \hfill % first block
5437 \else
5438 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hrlen {#1}\fi
5439 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5440 \bidipoem@spreadbox \bidipoem@hrlen {#3}% second block
5441 \par }
5442
5443 % macro for two half verses
5444 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5445 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]%
5446 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5447 \bidipoem@half@verses@next}
5448
5449 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5450 \traditionalconnverses {#1}{#2}{#3}}
5451
5452
5453 {\catcode\^^M=\active % these lines must end with %
5454 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5455 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5456 {\catcode\^^M=\active % these lines must end with %
5457 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5458 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5459 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5460 \def\poemmarginsskip{1em plus 1fil minus 1em}
5461 \def\poemextrabaselineskip{0\baselineskip}
5462 \def\poemskip{\medskip}
5463 \newcommand{\bidipoem@openbox}{\leavevmode
5464 \hbox to.77778em{%
5465 \hfil\vrule
5466 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5467 \vrule\hfil}}
5468 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}

```



```

5469 \newdimen\versewidth
5470 \newtoks\bidipoem@p@ftn
5471 \def\poem@verse#1{%
5472 \ifdim\wd#1>\new@poem@width
5473 \xdef\new@poem@width{\the\wd#1}%
5474 \ifdim\new@poem@width>\poem@width
5475 \xdef\poem@width{\new@poem@width}%
5476 \global\let\poem@needrun\relax
5477 \fi
5478 \fi
5479 \hbox to\poem@width{\unhbox#1}%
5480 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5481 }
5482 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmargin\skip\relax}
5483 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\@flushglue\vadjust{}}
5484 \def\poem@lineversesep{%
5485 \nobreak
5486 \hskip\z@ plus 1filll%
5487 \penalty600%
5488 \hskip\poemcolsepskip
5489 \hskip\z@ plus -2filll%
5490 \vadjust{}}%
5491 \nobreak
5492 \hskip\z@ plus 1filll%
5493 }
5494 \def\poem@lineparsebegin{%
5495 \halign\bgroup
5496 \global\setbox\verse@i=\hbox{%
5497 \let\@footnotetext\bidipoem@p@ftntext%
5498 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5499 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5500 \let\@xfootnotenext\bidipoem@p@xftntext%
5501 \let\@xfootnote\bidipoem@p@xfootnote%
5502 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5503 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5504 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5505 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5506 \ignorespaces##\unskip}&&
5507 \global\setbox\verse@ii=\hbox{%
5508 \let\@footnotetext\bidipoem@p@ftntext%
5509 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5510 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5511 \let\@xfootnotenext\bidipoem@p@xftntext%
5512 \let\@xfootnote\bidipoem@p@xfootnote%
5513 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5514 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5515 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5516 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5517 \ignorespaces##\unskip}
5518 \cr

```



```

5519 }
5520 \def\poem@lineparseend{%
5521 \crrcr\egroup
5522 \vskip-\baselineskip
5523 }
5524 \def\traditionalpoem@cr{%
5525 \cr\poem@line
5526 }
5527 \newbox\verse@i
5528 \newbox\verse@ii
5529 \newif\ifpoem@started
5530
5531 \def\poem@line{%
5532 \poem@lineparseend
5533 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5534 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5535 \ifpoem@started
5536 \ifdim\wd\verse@ii>\z@\else
5537 \nopagebreak[3]
5538 \fi
5539 \leavevmode
5540 \poem@linebegin
5541 \poem@verse\verse@i
5542 \ifdim\wd\verse@ii>\z@
5543 \poem@lineversesep
5544 \poem@verse\verse@ii
5545 \fi
5546 \poem@lineend
5547 % \nopagebreak
5548 \par
5549 \vskip\poemextrabaselineskip
5550 \fi
5551 \poem@lineparsebegin
5552 }
5553 \def\@traditionalpoem{%
5554 \stepcounter{poem@no}
5555 \ifnum\max@poem@no<\number\c@poem@no%
5556 \xdef\poem@width{\z@}%
5557 \else
5558 \xdef\poem@width{\poem@prop{poem@width}}%
5559 \fi
5560 \xdef\new@poem@width{\z@}%
5561 \global\versewidth=\poem@width
5562 \poemskip\par
5563 \beginngroup
5564 \tabskip=\z@
5565 \parskip=\z@
5566 \parindent=\z@
5567 \parfillskip=\z@

```



```

5568 \rightskip=\z@
5569 \leftskip=\z@
5570 \widowpenalty=10000% No break between verses of the same line.
5571 \clubpenalty=10000% Same as above. Not really needed.
5572 \def\newblock{\hfil\poemblocksep\hfil\null}%
5573 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5574 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5575 \global\poem@startedfalse
5576 \csname poem@obeylines\endcsname
5577 \let\poem@obeylines\relax
5578 \poem@lineparsebegin
5579 }
5580 \def\@endtraditionalpoem{%
5581 \cr
5582 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5583 \noalign{%
5584 \skip0=\poemextrabaselineskip
5585 \vskip-\skip0
5586 \vskip-\baselineskip
5587 }%
5588 \fi\fi
5589 \poem@lineparseend
5590 \endgroup
5591 \par
5592 \vskip\baselineskip
5593 \poemskip
5594 \if@nparlist \else
5595 \ifdim\lastskip >\z@
5596 \@tempskipa\lastskip \vskip -\lastskip
5597 \advance\@tempskipa\parskip \advance\@tempskipa -\outerparskip
5598 \vskip\@tempskipa
5599 \fi
5600 \@endparenv
5601 \fi
5602 \ifdim\new@poem@width<\poem@width
5603 \global\let\poem@needrun\relax
5604 \fi
5605 \poem@write@aux{\poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
5606 \ifx\AtEndDocument\undefined\poem@finish\fi
5607 }
5608
5609
5610 \long\def\bidipoem@p@ftntext#1{%
5611 \edef\@temp{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
5612 \global\bidipoem@p@ftn\expandafter{\@temp{#1}}}%
5613 \long\def\bidipoem@p@LTRftntext#1{%
5614 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5615 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5616 \long\def\bidipoem@p@RTLftntext#1{%
5617 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%

```



```

5618 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5619
5620 \long\def\bidipoem@p@xftntext[#1]#2{%
5621 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5622
5623 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5624 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5625
5626 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5627 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5628
5629 \def\bidipoem@p@xfootnote[#1]{%
5630 \begingroup
5631 \csname c@%mpfn\endcsname #1\relax
5632 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5633 \endgroup
5634 \@footnotemark\bidipoem@p@xftntext[#1]}
5635
5636 \def\bidipoem@p@xLTRfootnote[#1]{%
5637 \begingroup
5638 \csname c@%mpfn\endcsname #1\relax
5639 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5640 \endgroup
5641 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5642
5643 \def\bidipoem@p@xRTLfootnote[#1]{%
5644 \begingroup
5645 \csname c@%mpfn\endcsname #1\relax
5646 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5647 \endgroup
5648 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5649
5650
5651
5652 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5653 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
5654 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5655 \def\poem@finish{%
5656 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5657 \ifx\poem@needrun\relax
5658 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5659 \global\let\poem@needrun\undefined
5660 \fi
5661 }
5662 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5663 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5664 \ifx\max@poem@no\undefined
5665 \def\max@poem@no{0}%
5666 \fi
5667 \newcommand{\poem@prop}[1]{\@nameuse{#1}\romannumeral\c@poem@no}}

```



```

5668 \newcommand{\poem@write@aux}[2]{%
5669     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5670     \@x
5671 }
5672 \def\@modernpoem{%
5673 \par
5674 \begingroup
5675 \parskip=\z@
5676 \parindent=\z@
5677 \def\[{ \@settab\@tabplus\ignorespaces}%
5678 \def\]\{ \@tabminus\ignorespaces}%
5679 \def\newblock{\poemblocksep}%
5680 \let\newpoem@tabcr\@tabcr
5681 \def\modernpoem@par{% Redefine \par for possible \obeylines
5682     \ifpoem@started\else
5683         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5684             \@stopfield
5685             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5686             \@contfield
5687         \fi
5688     \fi
5689     \ifpoem@started\newpoem@tabcr\fi}%
5690 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5691 \global\poem@startedfalse
5692 \csname poem@obeylines\endcsname
5693 \let\poem@obeylines\relax
5694 \begin{tabbing}%
5695 }
5696 \def\@endmodernpoem{%
5697 \global\poem@startedfalse
5698 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5699     \@stopfield
5700     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5701     \@contfield
5702 \fi
5703 \ifpoem@started\else\let\@stopline\@stopfield\fi
5704 \end{tabbing}%
5705 \endgroup
5706 \par
5707 \if@nparlist \else
5708     \ifdim\lastskip >\z@
5709         \@tempkipa\lastskip \vskip -\lastskip
5710         \advance\@tempkipa\parskip \advance\@tempkipa -\outerparskip
5711         \vskip\@tempkipa
5712     \fi
5713     \@endparenv
5714 \fi
5715 }
5716 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5717 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@par}

```





```

5718 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5719 \gdef\@startfield{%
5720 \global\setbox\@curfield\hbox\bgroup%
5721 \let\@footnotetext\bidipoem@p@fnttext%
5722 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5723 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5724 \let\@xfootnotenext\bidipoem@p@xftntext%
5725 \let\@xfootnote\bidipoem@p@xfootnote%
5726 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5727 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5728 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5729 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5730 \color@begingroup}
5731 \gdef\@stopfield{%
5732 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5733 \gdef\@contfield{%
5734 \global\setbox\@curfield\hbox\bgroup%
5735 \let\@footnotetext\bidipoem@p@fnttext%
5736 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5737 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5738 \let\@xfootnotenext\bidipoem@p@xftntext%
5739 \let\@xfootnote\bidipoem@p@xfootnote%
5740 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5741 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5742 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5743 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5744 \color@begingroup\unhbox\@curfield}

```

### 7.32 boek3-xetex-bidi.def

```

5745 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX e
5746 \renewenvironment{theindex}{%
5747 \if@twocolumn
5748 \@restonecolfalse
5749 \else
5750 \@restonecoltrue
5751 \fi
5752 \columnseprule \z@
5753 \columnsep 35\p@
5754 \twocolumn[\@makeschapterhead{\indexname}]{%
5755 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5756 \thispagestyle{plain}\parindent\z@
5757 \parskip\z@ \@plus .3\p@\relax
5758 \let\item\@idxitem
5759 }{%
5760 \if@restonecol\onecolumn\else\clearpage\fi}
5761 \renewcommand*\head@style{%
5762 \interlinepenalty \@M
5763 \hyphenpenalty=\@M \exhyphenpenalty=\@M
5764 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



```

5765 \renewcommand*\@regtocline[3]{%
5766   \ifnum #1>\c@tocdepth
5767   \else
5768     \vskip\z@\@plus.2\p@
5769     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
5770     \if@RTL\righskip\else\leftskip\fi\unitindent
5771     \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
5772     \parfillskip\z@
5773     \@tempdima\unitindent
5774     \parindent\z@
5775     \leavevmode
5776     \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
5777     \hskip 1em \nobreak{\slshape #3}\par
5778   }%
5779 \fi}
5780 \if@oldtoc
5781 \renewcommand*\l@part[2]{%
5782   \ifnum \c@tocdepth >-2\relax
5783     \addpenalty{-\@highpenalty}%
5784     \addvspace{2.25em \@plus\p@}%
5785     \begingroup
5786       \setlength\@tempdima{3em}%
5787       \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
5788       \parfillskip -\@pnumwidth
5789       {\leavevmode
5790         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5791         \nobreak
5792         \global\@nobreaktrue
5793         \everypar{\global\@nobreakfalse\everypar{}}%
5794       \endgroup
5795     \fi}
5796 \else
5797   \renewcommand*\l@part{%
5798     \ifnum \c@tocdepth >-2\relax
5799       \addpenalty{-\@highpenalty}%
5800       \addvspace{2.25em \@plus\p@}%
5801       \@regtocline{0}%
5802     \fi}
5803 \fi
5804 \if@oldtoc
5805 \renewcommand*\l@chapter[2]{%
5806   \addpenalty{-\@highpenalty}%
5807   \vskip 1.0em \@plus\p@
5808   \setlength\@tempdima{1.5em}%
5809   \begingroup
5810     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
5811     \parfillskip -\@pnumwidth
5812     \leavevmode \bfseries
5813     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
5814     \hskip -\if@RTL\righskip\else\leftskip\fi

```



```

5815      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5816      \penalty\@highpenalty
5817      \endgroup}
5818 \else
5819   \renewcommand*\l@chapter{\@regtocline{0}}
5820 \fi
5821 \renewenvironment{abstract}{%
5822     \titlepage
5823     \null\vfil
5824     \section*{\SectFont \abstractname}
5825     \noindent\ignorespaces}
5826     {\par\vfil\null\endtitlepage}
5827 \renewenvironment{thebibliography}[1]
5828     {\chapter*{\bibname}%
5829      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5830      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5831      \list{\@biblabel{\@arabic\c@enumiv}}%
5832          {\settowidth\labelwidth{\@biblabel{#1}}%
5833           \leftmargin\labelwidth
5834           \advance\leftmargin\labelsep
5835           \@openbib@code
5836           \usecounter{enumiv}%
5837           \let\p@enumiv\@empty
5838           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5839      \sloppy\clubpenalty4000\widowpenalty4000
5840      \sfcode\@. \@m}
5841      {\def\@noitemerr
5842       {\@latex@warning{Empty `thebibliography' environment}}}%
5843      \endlist}
5844 \renewcommand*\left@footnoterule{%
5845     \kern-3\p@
5846     \kern.5\baselineskip
5847     \hrule\@width\unitindent
5848     \kern.4\baselineskip
5849 }
5850 \renewcommand*\right@footnoterule{%
5851     \kern-3\p@
5852     \kern.5\baselineskip
5853     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5854     \kern.4\baselineskip}
5855 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5856 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
5857 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
5858 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
5859 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
5860 \renewcommand*\theequation{%
5861     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5862 \renewcommand*\thefigure{%
5863     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5864 \renewcommand*\thetable{%

```



```

5865 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5866 \renewcommand*\maketitle{%
5867 \begin{titlepage}%
5868 \let\footnotesize\small
5869 \let\right@footnoterule\relax
5870 \let\left@footnoterule\relax
5871 \let\textwidth@footnoterule\relax
5872 \let \footnote \thanks
5873 \long\def\@makefntext##1{\parindent\z@
5874 \def\labelitemi{\textendash}\@revlabeltrue
5875 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5876 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5877 \if@compatibility\setcounter{page}{0}\fi
5878 \null\vfil
5879 \vskip 60\p@
5880 \begin{center}%
5881 \TitleFont
5882 {\LARGE \def\{\{\penalty -\@M}
5883 \if@allcaps
5884 \expandafter\uc@nothanks\@title\thanks\relax
5885 \else
5886 \@title
5887 \fi\par}%
5888 \vskip 3em%
5889 {\large
5890 \lineskip .75em \parindent\z@
5891 \begin{tabular}[t]{c}%
5892 \if@allcaps
5893 \expandafter\uc@authornothanks\@author\and\relax
5894 \else
5895 \@author
5896 \fi
5897 \end{tabular}\par}%
5898 \vskip 1.5em%
5899 {\large
5900 \if@allcaps
5901 \uppercase\expandafter{\@date}%
5902 \else
5903 \@date
5904 \fi\par}%
5905 \end{center}\par
5906 \@thanks
5907 \vfil\null
5908 \end{titlepage}%
5909 \setcounter{footnote}{0}%
5910 \global\let\thanks\relax
5911 \global\let\maketitle\relax
5912 \global\let\@thanks\@empty
5913 \global\let\@author\@empty
5914 \global\let\@title\@empty

```



```

5915 \global\let\@date\empty
5916 \global\let\title\relax
5917 \global\let\author\relax
5918 \global\let\date\relax
5919 \global\let\and\relax
5920 }

```

### 7.33 boek-xetex-bidi.def

```

5921 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5922 \renewenvironment{theindex}{%
5923   \if@twocolumn
5924     \@restonecolfalse
5925   \else
5926     \@restonecoltrue
5927   \fi
5928   \columnseprule \z@
5929   \columnsep 35\p@
5930   \twocolumn[\@makeschapterhead{\indexname}]%
5931   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5932   \thispagestyle{plain}\parindent\z@
5933   \parskip\z@ \@plus .3\p@\relax
5934   \let\item\@idxitem
5935   }{%
5936   \if@restonecol\onecolumn\else\clearpage\fi}
5937 \renewcommand*{\head@style}{%
5938   \interlinepenalty \@M
5939   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5940   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5941 \renewcommand*{\regtocline}[3]{%
5942   \ifnum #1>\c@tocdepth
5943   \else
5944     \vskip\z@ \@plus .2\p@
5945     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5946     \if@RTL\rightskip\else\leftskip\fi\unitindent
5947     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5948     \parfillskip\z@
5949     \@tempdima\unitindent
5950     \parindent\z@
5951     \leavevmode
5952     \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5953     \hskip 1em \nobreak{\slshape #3}\par
5954   }%
5955   \fi}
5956 \if@oldtoc
5957 \renewcommand*{\l@part}[2]{%
5958   \ifnum \c@tocdepth >-2\relax
5959     \addpenalty{-\@highpenalty}%
5960     \addvspace{2.25em \@plus\p@}%
5961     \begingroup

```



```

5962     \setlength\@tempdima{3em}%
5963     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5964     \parfillskip -\@pnumwidth
5965     {\leavevmode
5966       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5967       \nobreak
5968       \global\@nobreaktrue
5969       \everypar{\global\@nobreakfalse\everypar{}}%
5970     \endgroup
5971   \fi}
5972 \else
5973   \renewcommand*\l@part{%
5974     \ifnum \c@tocdepth >-2\relax
5975       \addpenalty{-\@highpenalty}%
5976       \addvspace{2.25em \@plus \p@}%
5977       \@regtocline{0}%
5978     \fi}
5979 \fi
5980 \if@oldtoc
5981 \renewcommand*\l@chapter[2]{%
5982   \addpenalty{-\@highpenalty}%
5983   \vskip 1.0em \@plus \p@
5984   \setlength\@tempdima{1.5em}%
5985   \begingroup
5986   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5987   \parfillskip -\@pnumwidth
5988   \leavevmode \bfseries
5989   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5990   \hskip -\if@RTL\rightskip\else\leftskip\fi
5991   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5992   \penalty\@highpenalty
5993   \endgroup}
5994 \else
5995   \renewcommand*\l@chapter{\@regtocline{0}}
5996 \fi
5997 \renewcommand*\left@footnoterule{%
5998   \kern-3\p@
5999   \kern.5\baselineskip
6000   \hrule\@width\unitindent
6001   \kern.4\baselineskip
6002 }
6003 \renewcommand*\right@footnoterule{%
6004   \kern-3\p@
6005   \kern.5\baselineskip
6006   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6007   \kern.4\baselineskip}
6008 \renewenvironment{abstract}{%
6009   \titlepage
6010   \null\vfil
6011   \section*{\SectFont \abstractname}

```



```

6012     \noindent\ignorespaces}
6013     {\par\vfil\null\endtitlepage}
6014 \renewenvironment{thebibliography}[1]
6015     {\chapter*{\bibname}%
6016     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6017     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6018     \list{\@biblabel{\@arabic\c@enumiv}}%
6019     {\settowidth\labelwidth{\@biblabel{#1}}%
6020     \leftmargin\labelwidth
6021     \advance\leftmargin\labelsep
6022     \@openbib@code
6023     \usecounter{enumiv}%
6024     \let\p@enumiv\@empty
6025     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6026     \sloppy\clubpenalty4000\widowpenalty4000
6027     \sfcode`.\@m}
6028     {\def\@noitemerr
6029     {\@latex@warning{Empty `thebibliography' environment}}}%
6030     \endlist}
6031 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6032 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6033 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6034 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6035 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6036 \renewcommand*\theequation{%
6037     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6038 \renewcommand*\thefigure{%
6039     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6040 \renewcommand*\thetable{%
6041     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6042 \renewcommand*\maketitle{%
6043     \begin{titlepage}%
6044     \let\footnotesize\small
6045     \let\right@footnoterule\relax
6046     \let\left@footnoterule\relax
6047     \let\textwidth\footnoterule\relax
6048     \let \footnote \thanks
6049     \long\def\@makefnmark##1{\parindent\z@
6050     \def\labelitemi{\textendash}\@revlabeltrue
6051     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6052     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6053     \if@compatibility\setcounter{page}{0}\fi
6054     \null\vfil
6055     \vskip 60\p@
6056     \begin{center}%
6057     \TitleFont
6058     {\LARGE \def\\{\penalty -\@M}
6059     \if@allcaps
6060     \expandafter\uc@nothanks\@title\thanks\relax
6061     \else

```



```

6062         \@title
6063         \fi\par}%
6064     \vskip 3em%
6065     {\large
6066         \lineskip .75em \parindent\z@
6067         \begin{tabular}[t]{c}%
6068             \if@allcaps
6069                 \expandafter\uc@authornothanks\@author\and\relax
6070             \else
6071                 \@author
6072             \fi
6073         \end{tabular}\par}%
6074     \vskip 1.5em%
6075     {\large
6076         \if@allcaps
6077             \uppercase\expandafter{\@date}%
6078         \else
6079             \@date
6080         \fi\par}%
6081     \end{center}\par
6082     \@thanks
6083     \vfil\null
6084 \end{titlepage}%
6085 \setcounter{footnote}{0}%
6086 \global\let\thanks\relax
6087 \global\let\maketitle\relax
6088 \global\let\@thanks\@empty
6089 \global\let\@author\@empty
6090 \global\let\@title\@empty
6091 \global\let\@date\@empty
6092 \global\let\title\relax
6093 \global\let\author\relax
6094 \global\let\date\relax
6095 \global\let\and\relax
6096 }

```

## 7.34 `bookest-xetex-bidi.def`

```

6097 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
6098 \def\@makechapterhead#1{%
6099     \vspace*{20\p@}
6100     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6101         \ifnum \c@secnumdepth >\m@ne
6102             \if@mainmatter
6103                 {\colorA\huge\scshape \@chapapp\space \thechapter}
6104                 \par\nobreak
6105                 \vskip 10\p@
6106             \fi
6107         \fi
6108         \interlinepenalty\@M

```





```

6109 {\colorB\hrule}
6110 \vskip 15\p@
6111 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6112   {\colorA\Huge \bfseries #1}\par\nobreak
6113 \if@RTL\end{flushleft}\else\end{flushright}\fi
6114 \vskip 5\p@
6115 {\colorB\hrule}
6116 \vskip 30\p@
6117 }}
6118 \def\@makeschapterhead#1{%
6119   \vspace*{20\p@}
6120   {\parindent \z@ \raggedright \normalfont
6121     {\colorB\hrule}
6122     \vskip 15\p@
6123     \begin{center}
6124       {\colorA\Huge \bfseries #1}\par\nobreak
6125     \end{center}
6126     \vskip 5\p@
6127     {\colorB\hrule}
6128     \vskip 30\p@
6129   }}

```

## 7.35 book-xetex-bidi.def

```

6130 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for ]
6131 \renewenvironment{theindex}
6132   {\if@twocolumn
6133     \@restonecolfalse
6134     \else
6135       \@restonecoltrue
6136     \fi
6137     \columnseprule \z@
6138     \columnsep 35\p@
6139     \twocolumn[\@makeschapterhead{\indexname}]%
6140     \@mkboth{\MakeUppercase\indexname}%
6141             {\MakeUppercase\indexname}%
6142     \thispagestyle{plain}\parindent\z@
6143     \parskip\z@ \@plus .3\p@\relax
6144     \let\item\@idxitem}
6145   {\if@restonecol\onecolumn\else\clearpage\fi}
6146 \@ifclassloaded{bookest}{-}{-%
6147   \if@titlepage
6148     \renewcommand\maketitle{\begin{titlepage}%
6149     \let\footnotesize\small
6150     \let\right@footnoterule\relax
6151     \let\left@footnoterule\relax
6152     \let\textwidth\footnoterule\relax
6153     \let \footnote \thanks
6154     \let \LTRfootnote \LTRthanks
6155     \let \RTLfootnote \RTLthanks

```



```

6156 \null\vfil
6157 \vskip 60\p@
6158 \begin{center}%
6159   {\LARGE \@title \par}%
6160   \vskip 3em%
6161   {\large
6162     \lineskip .75em%
6163     \begin{tabular}[t]{c}%
6164       \@author
6165     \end{tabular}\par}%
6166   \vskip 1.5em%
6167   {\large \@date \par}%           % Set date in \large size.
6168 \end{center}\par
6169 \@thanks
6170 \vfil\null
6171 \end{titlepage}%
6172 \setcounter{footnote}{0}%
6173 \global\let\thanks\relax
6174 \global\let\LTRthanks\relax
6175 \global\let\RTLthanks\relax
6176 \global\let\maketitle\relax
6177 \global\let\@thanks\@empty
6178 \global\let\@author\@empty
6179 \global\let\@date\@empty
6180 \global\let\@title\@empty
6181 \global\let\title\relax
6182 \global\let\author\relax
6183 \global\let\date\relax
6184 \global\let\and\relax
6185 }
6186 \else
6187 \renewcommand\maketitle{\par
6188   \begingroup
6189     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6190     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6191     \long\def\@makefntext##1{\parindent 1em\noindent
6192       \hb@xt@1.8em{%
6193         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6194     \if@twocolumn
6195       \ifnum \col@number=\@ne
6196         \@maketitle
6197       \else
6198         \twocolumn[\@maketitle]%
6199       \fi
6200     \else
6201       \newpage
6202       \global\@topnum\z@   % Prevents figures from going at top of page.
6203       \@maketitle
6204     \fi
6205     \thispagestyle{plain}\@thanks

```



```

6206 \endgroup
6207 \setcounter{footnote}{0}%
6208 \global\let\thanks\relax
6209 \global\let\LTRthanks\relax
6210 \global\let\RTLthanks\relax
6211 \global\let\maketitle\relax
6212 \global\let\@maketitle\relax
6213 \global\let\@thanks\@empty
6214 \global\let\@author\@empty
6215 \global\let\@date\@empty
6216 \global\let\@title\@empty
6217 \global\let\title\relax
6218 \global\let\author\relax
6219 \global\let\date\relax
6220 \global\let\and\relax
6221 }
6222 \def\@maketitle{%
6223 \newpage
6224 \null
6225 \vskip 2em%
6226 \begin{center}%
6227 \let \footnote \thanks
6228 \let \LTRfootnote \LTRthanks
6229 \let \RTLfootnote \RTLthanks
6230 {\LARGE \@title \par}%
6231 \vskip 1.5em%
6232 {\large
6233 \lineskip .5em%
6234 \begin{tabular}[t]{c}%
6235 \@author
6236 \end{tabular}\par}%
6237 \vskip 1em%
6238 {\large \@date}%
6239 \end{center}%
6240 \par
6241 \vskip 1.5em}
6242 \fi}
6243 \renewcommand*{\l@part[2]}{%
6244 \ifnum \c@tocdepth >-2\relax
6245 \addpenalty{-\@highpenalty}%
6246 \addvspace{2.25em \@plus\p@}%
6247 \setlength\@tempdima{3em}%
6248 \begin{group}
6249 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
6250 \parfillskip -\@pnumwidth
6251 {\leavevmode
6252 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6253 \nobreak
6254 \global\@nobreaktrue
6255 \everypar{\global\@nobreakfalse\everypar{}}%

```



```

6256 \endgroup
6257 \fi}
6258 \renewcommand*\l@chapter[2]{%
6259 \ifnum \c@tocdepth >\m@ne
6260 \addpenalty{-\@highpenalty}%
6261 \vskip 1.0em \@plus\p@
6262 \setlength\@tempdima{1.5em}%
6263 \begingroup
6264 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6265 \parfillskip -\@pnumwidth
6266 \leavevmode \bfseries
6267 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6268 \hskip -\if@RTL\rightskip\else\leftskip\fi
6269 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6270 \penalty\@highpenalty
6271 \endgroup
6272 \fi}
6273 \renewcommand\left@footnoterule{%
6274 \kern-3\p@
6275 \hrule\@width.4\columnwidth
6276 \kern2.6\p@}
6277 \renewcommand\right@footnoterule{%
6278 \kern-3\p@
6279 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6280 \kern2.6\p@}
6281 \renewcommand\theequation
6282 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6283 \renewcommand \thefigure
6284 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6285 \renewcommand \thetable
6286 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6287 \renewcommand \thechapter {\@arabic\c@chapter}
6288 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6289 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6290 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6291 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6292 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6293 \def\@makechapterhead#1{%
6294 \vspace*{50\p@}%
6295 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6296 \ifnum \c@secnumdepth >\m@ne
6297 \if@mainmatter
6298 \huge\bfseries \chapapp\space \thechapter
6299 \par\nobreak
6300 \vskip 20\p@
6301 \fi
6302 \fi
6303 \interlinepenalty\@M
6304 \Huge \bfseries #1\par\nobreak
6305 \vskip 40\p@

```



```

6306 }}
6307 \def\@makeschapterhead#1{%
6308   \vspace*{50\p@}%
6309   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6310     \normalfont
6311     \interlinepenalty\@M
6312     \Huge \bfseries #1\par\nobreak
6313     \vskip 40\p@
6314   }}
6315 \renewcommand\backmatter{%
6316   \if@openright
6317     \cleardoublepage
6318   \else
6319     \clearpage
6320   \fi
6321   \@mainmatterfalse}
6322 \renewenvironment{thebibliography}[1]
6323   {\chapter*{\bibname}%
6324     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6325     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6326     \list{\@biblabel{\@arabic\c@enumiv}}%
6327       {\settowidth\labelwidth{\@biblabel{#1}}%
6328         \leftmargin\labelwidth
6329         \advance\leftmargin\labelsep
6330         \@openbib@code
6331         \usecounter{enumiv}%
6332         \let\p@enumiv\@empty
6333         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6334     \sloppy
6335     \clubpenalty4000
6336     \@clubpenalty \clubpenalty
6337     \widowpenalty4000%
6338     \sfcode`.\@m}
6339   {\def\@noitemerr
6340     {\@latex@warning{Empty `thebibliography' environment}}%
6341     \endlist}

```

### 7.36 breqn-xetex-bidi.def

```

6342 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX]
6343 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6344   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6345   \if@noskipsec \leavevmode \fi
6346   \if@inlabel \leavevmode \global\@inlabelfalse \fi
6347   \if\eq@group\else\eq@prelim\fi
6348   \setkeys{breqn}{#1}%
6349   \the\eqstyle
6350   \eq@setnumber
6351   \begingroup
6352   \eq@setup@a

```



```

6353 \eq@startup
6354 }
6355 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6356 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6357 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6358 \global\let\GRP@label\@empty
6359 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6360 \global\grp@linewidth\z@\global\grp@wdNum\z@
6361 \global\let\grp@eqs@numbered\@False
6362 \global\let\grp@aligned\@True
6363 \global\let\grp@shiftnumber\@False
6364 \eq@prelim
6365 \setkeys{breqn}{#1}%
6366 \if\grp@hasNumber \grp@setnumber \fi
6367 }
6368 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6369 \let\display@setup\dseries@display@setup
6370 % Question: should this be the default for dseries???
6371 \global\eq@wdCond\z@
6372 \@dmath[layout={M},#1]%
6373 \mathsurround\z@\@math \penalty\@Mi
6374 \let\endmath\ends@math
6375 \def\premath{%
6376 \ifdim\lastskip<.3em \unskip
6377 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6378 }%
6379 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6380 \ignorespaces
6381 }
6382 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
6383 \renewenvironment{dsuspend}{%
6384 \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
6385 \parshape 1 \displayindent \displaywidth\relax
6386 \hsize=\columnwidth \noindent\ignorespaces
6387 }{%
6388 \par\egroup
6389 \global\setbox\GRP@box\vbox{%
6390 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
6391 \unvbox\GRP@box
6392 }%
6393 \global\GRP@queue\@xp{\the\GRP@queue
6394 \elt{\let\eq@isIntertext\@True}%
6395 }%
6396 }

```

## 7.37 cals-xetex-bidi.def

```

6397 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX e
6398 \renewenvironment{calstable}[1][c]{%
6399 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi

```



```

6400 \if l#1%
6401 \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
6402 \else\if r#1%
6403 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6404 \else\if c#1%
6405 \leftskip\fill \rightskip\fill
6406 \fi\fi\fi
6407 \let\cals@thead@tokens=\relax
6408 \let\cals@tfoot@tokens=\relax
6409 \let\cals@tbreak@tokens=\relax
6410 \cals@tfoot@height=0pt \relax
6411 \let\cals@last@context=n%
6412 \let\cals@current@context=b%
6413 \parindent=0pt %
6414 \cals@setpadding{Ag}\cals@setcellprevdepth{A1}\cals@set@tohsize%
6415 %% Alignment inside is independent on center/flushright outside
6416 \parfillskip=0pt plus1fil\relax
6417 \let\cals@borderL=\relax
6418 \let\cals@borderR=\relax
6419 \let\cals@borderT=\relax
6420 \let\cals@borderB=\relax
6421 }{% End of the table
6422 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6423
6424 \renewcommand\alignL{%
6425 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6426 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6427
6428 \renewcommand\alignR{%
6429 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6430 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

### 7.38 caption-xetex-bidi.def

```

6431 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6432 \let\@makecaption\caption@makecaption

```

### 7.39 caption3-xetex-bidi.def

```

6433 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6434 \renewcommand*\caption@par{%
6435 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

### 7.40 colortbl-xetex-bidi.def

```

6436 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6437 \def\CT@setup{%
6438 \@tempdimb\col@sep
6439 \@tempdimc\col@sep
6440 \def\CT@color{%
6441 \global\let\CT@do@color\CT@@do@color
6442 \bidicolor}}

```



```

6443 \def\@classz{\@classx
6444   \@tempcnta \count@
6445   \prepnext@tok
6446 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6447   \@addtopreamble{\if@RTLtab\beginL\fi%
6448     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6449     \ifcase \@chnum
6450     \hskip\stretch{.5}\kern\z@
6451     \dollarbegin
6452     \insert@column
6453     \dollarend\hskip\stretch{.5}\or
6454     \dollarbegin \insert@column \dollarend \hfill \or
6455     \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
6456     $\vcenter
6457     \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6458     \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6459     \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6460   \fi
6461   \if@RTLtab\endR\fi\egroup\egroup
6462 \begingroup
6463   \CT@setup
6464   \CT@column@color
6465   \CT@row@color
6466   \CT@cell@color
6467   \CT@do@color
6468 \endgroup
6469   \@tempdima\ht\z@
6470   \advance\@tempdima\minrowclearance
6471   \vrule\@height\@tempdima\@width\z@
6472   \unhbox\z@\if@RTLtab\endL\fi}%
6473 \prepnext@tok}

```

## 7.41 color-xetex-bidi.def

```

6474 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX]
6475 \long\def\color@b@x#1#2#3{%
6476   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6477   \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6478   \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6479   \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6480   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
6481     \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6482 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6483 \DeclareRobustCommand\color{%
6484   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}%
6485   \def\@declaredcolor#1{%
6486     \@ifundefined{\string\color @#1}%
6487     {\c@lor@error{`#1'}}}%
6488     {\expandafter\let\expandafter\current@color
6489       \csname\string\color @#1\endcsname

```





```

6490 \set@color}%
6491 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6492 \def\@undeclaredcolor[#1]#2{%
6493 \ifundefined{color@#1}%
6494 {\c@lor@error{model `#1'}}}%
6495 {\csname color@#1\endcsname\current@color{#2}%
6496 \set@color}%
6497 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6498 \DeclareRobustCommand\bidicolor{%
6499 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6500 \def\@bidiundeclaredcolor[#1]#2{%
6501 \ifundefined{color@#1}%
6502 {\c@lor@error{model `#1'}}}%
6503 {\csname color@#1\endcsname\current@color{#2}%
6504 \set@color}%
6505 \ignorespaces}
6506 \def\@bidideclaredcolor#1{%
6507 \ifundefined{\string\color @#1}%
6508 {\c@lor@error{`#1'}}}%
6509 {\expandafter\let\expandafter\current@color
6510 \csname\string\color @#1\endcsname
6511 \set@color}%
6512 \ignorespaces}
6513 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6514 \def\color@fbox#1#2#3{%
6515 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6516 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 7.42 combine-xetex-bidi.def

```

6517 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6518 \renewcommand{\c@ll@chapsecii}[2]{%
6519 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6520 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6521 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6522 }
6523 \renewcommand{\c@ll@chapseci}{%
6524 \setlength\@tempdima{0em}%
6525 \begingroup
6526 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6527 \parfillskip -\@pnumwidth
6528 \leavevmode
6529 }
6530 \renewenvironment{tocindent}[1]{%
6531 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

## 7.43 crop-xetex-bidi.def

```

6532 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX e
6533 \renewcommand*\CROP@ulc{%
6534 \if@RTLmain%

```



```

6535     \begin{picture}(0,0)
6536     \unitlength\p@\thinlines
6537     \put(-40,0){\circle{10}}
6538     \put(-30,-5){\line(0,1){10}}
6539     \put(-35,0){\line(1,0){30}}
6540     \put(-10,30){\circle{10}}
6541     \put(-5,30){\line(1,0){10}}
6542     \put(0,35){\line(0,-1){30}}
6543     \end{picture}%
6544 \else%
6545     \begin{picture}(0,0)
6546     \unitlength\p@\thinlines
6547     \put(-30,0){\circle{10}}
6548     \put(-30,-5){\line(0,1){10}}
6549     \put(-35,0){\line(1,0){30}}
6550     \put(0,30){\circle{10}}
6551     \put(-5,30){\line(1,0){10}}
6552     \put(0,35){\line(0,-1){30}}
6553     \end{picture}%
6554     \fi%
6555 }
6556 \renewcommand*\CROP@urc{%
6557     \if@RTLmain%
6558         \begin{picture}(0,0)
6559         \unitlength\p@\thinlines
6560         \put(20,0){\circle{10}}
6561         \put(30,-5){\line(0,1){10}}
6562         \put(35,0){\line(-1,0){30}}
6563         \put(-10,30){\circle{10}}
6564         \put(-5,30){\line(1,0){10}}
6565         \put(0,35){\line(0,-1){30}}
6566         \end{picture}%
6567     \else%
6568         \begin{picture}(0,0)
6569         \unitlength\p@\thinlines
6570         \put(30,0){\circle{10}}
6571         \put(30,-5){\line(0,1){10}}
6572         \put(35,0){\line(-1,0){30}}
6573         \put(0,30){\circle{10}}
6574         \put(-5,30){\line(1,0){10}}
6575         \put(0,35){\line(0,-1){30}}
6576         \end{picture}%
6577         \fi%
6578 }
6579 \renewcommand*\CROP@llc{%
6580     \if@RTLmain%
6581         \begin{picture}(0,0)
6582         \unitlength\p@\thinlines
6583         \put(-40,0){\circle{10}}
6584         \put(-30,-5){\line(0,1){10}}

```



```

6585      \put(-35,0){\line(1,0){30}}
6586      \put(-10,-30){\circle{10}}
6587      \put(-5,-30){\line(1,0){10}}
6588      \put(0,-35){\line(0,1){30}}
6589      \end{picture}%
6590      \else%
6591      \begin{picture}(0,0)
6592      \unitlength\p@\thinline
6593      \put(-30,0){\circle{10}}
6594      \put(-30,-5){\line(0,1){10}}
6595      \put(-35,0){\line(1,0){30}}
6596      \put(0,-30){\circle{10}}
6597      \put(-5,-30){\line(1,0){10}}
6598      \put(0,-35){\line(0,1){30}}
6599      \end{picture}%
6600      \fi%
6601  }
6602  \renewcommand*\CROP@lrc{%
6603      \ifRTLmain%
6604      \begin{picture}(0,0)
6605      \unitlength\p@\thinline
6606      \put(20,0){\circle{10}}
6607      \put(30,-5){\line(0,1){10}}
6608      \put(35,0){\line(-1,0){30}}
6609      \put(-10,-30){\circle{10}}
6610      \put(-5,-30){\line(1,0){10}}
6611      \put(0,-35){\line(0,1){30}}
6612      \end{picture}%
6613      \else%
6614      \begin{picture}(0,0)
6615      \unitlength\p@\thinline
6616      \put(30,0){\circle{10}}
6617      \put(30,-5){\line(0,1){10}}
6618      \put(35,0){\line(-1,0){30}}
6619      \put(0,-30){\circle{10}}
6620      \put(-5,-30){\line(1,0){10}}
6621      \put(0,-35){\line(0,1){30}}
6622      \end{picture}%
6623      \fi%
6624  }
6625  \@ifpackagewith{crop}{cam}{%
6626      \CROP@execopt{cam}%
6627  }{}

```

## 7.44 cutwin-xetex-bidi.def

```

6628  \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6629  \renewcommand*{\c@twcompctr}[2]{%
6630      \def\c@twfirst{1}
6631      \loop\advance\c@twwinlines\m@ne

```



```

6632 \setbox\c@twslicea=\vsplit#1 to\baselineskip
6633 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6634 \c@twprune{\c@twslicea}{\c@twlftside}%
6635 \c@twprune{\c@twsliceb}{\c@twrtside}%
6636 \ifnum\c@twfirst=\@ne
6637   \setbox#2=\vbox{\unvbox#2\hbox
6638     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsl
6639 \else
6640   \setbox#2=\vbox{\unvbox#2\hbox
6641     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\
6642 \fi
6643 \def\c@twfirst{2}
6644 \ifnum\c@twwinlines>\z@\repeat}
6645 \renewcommand*{\c@twcompodctr}[2]{%
6646   \def\c@twrounds{1}
6647   \def\c@twfirst{1}
6648   \@for\c@twlspec:=\c@twb\do{%
6649     \ifnum\c@twrounds=1
6650       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6651       \c@twprune{\c@twslicea}{\c@twlspec}%
6652       \def\c@twrounds{2}
6653     \else
6654       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6655       \c@twprune{\c@twsliceb}{\c@twlspec}%
6656       \ifnum\c@twfirst=1
6657         \setbox#2=\vbox{\unvbox#2\hbox
6658           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\
6659         \def\c@twfirst{2}
6660       \else
6661         \setbox#2=\vbox{\unvbox#2\hbox
6662           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\
6663       \fi
6664       \def\c@twrounds{1}
6665     \fi}}

```

## 7.45 cuted-xetex-bidi.def

```

6666 \ProvidesFile{cuted-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for cuted package for XeTeX]
6667
6668 \def\RTL@outputdblcol{%
6669   \if@firstcolumn
6670     \global\@firstcolumnfalse
6671     \global\setbox\@leftcolumn\copy\@outputbox
6672     \splitmaxdepth\maxdimen
6673     \vbadness\maxdimen
6674     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6675     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6676     \toks@\expandafter{\topmark}%
6677     \xdef\@firstcoltopmark{\the\toks@}%
6678     \toks@\expandafter{\splitfirstmark}%

```



```

6679 \xdef\@firstcolfirstmark{\the\toks@}%
6680 \ifx\@firstcolfirstmark\@empty
6681 \global\let\@setmarks\relax
6682 \else
6683 \gdef\@setmarks{%
6684 \let\firstmark\@firstcolfirstmark
6685 \let\topmark\@firstcoltopmark}%
6686 \fi
6687 \else
6688 \global\@firstcolumntrue
6689 \setbox\@outputbox\vbox{%
6690 \hb@xt@\textwidth{%
6691 \hskip \columnwidth
6692 \hfil
6693 {\normalcolor\vrule \@width\columnseprule}%
6694 \hfil
6695 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6696 \hskip -\textwidth
6697 \hb@xt@\columnwidth{\box\@outputbox \hss}%
6698 \hskip \columnsep
6699 \hskip \columnwidth }}%
6700 \ifvoid\hold@viper
6701 \else
6702 \setbox\@outputbox\vbox to\textheight{%
6703 \box\hold@viper
6704 \box\@outputbox
6705 \vss
6706 }%
6707 \fi
6708 \@combinedblfloats
6709 \@setmarks
6710 \@outputpage
6711 \begingroup
6712 \@dblfloatplacement
6713 \@startdblcolumn
6714 \@whilesw\if@fcolmade \fi{\@outputpage
6715 \@startdblcolumn}%
6716 \ifvoid\@viper
6717 \else
6718 \global\setbox\@viper\vbox{%
6719 \vskip-\stripsep
6720 \unvbox\@viper
6721 }%
6722 \@viperoutput
6723 \fi
6724 \endgroup
6725 \fi}%
6726
6727 \def\LTR@outputdblcol{%
6728 \if@firstcolumn

```



```

6729 \global\@firstcolumnfalse
6730 \global\setbox\@leftcolumn\copy\@outputbox
6731 \splitmaxdepth\maxdimen
6732 \vbadness\maxdimen
6733 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6734 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6735 \toks@\expandafter{\topmark}%
6736 \xdef\@firstcoltopmark{\the\toks@}%
6737 \toks@\expandafter{\splitfirstmark}%
6738 \xdef\@firstcolfirstmark{\the\toks@}%
6739 \ifx\@firstcolfirstmark\@empty
6740 \global\let\@setmarks\relax
6741 \else
6742 \gdef\@setmarks{%
6743 \let\firstmark\@firstcolfirstmark
6744 \let\topmark\@firstcoltopmark}%
6745 \fi
6746 \else
6747 \global\@firstcolumntrue
6748 \setbox\@outputbox\vbox{%
6749 \hb@xt@\textwidth{%
6750 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6751 \hfil
6752 {\normalcolor\vrule \@width\columnseprule}%
6753 \hfil
6754 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
6755 \ifvoid\hold@viper
6756 \else
6757 \setbox\@outputbox \vbox to\textheight{%
6758 \box\hold@viper
6759 \box\@outputbox
6760 \vss
6761 }%
6762 \fi
6763 \@combinedblfloats
6764 \@setmarks
6765 \@outputpage
6766 \beginingroup
6767 \@dblfloatplacement
6768 \@startdblcolumn
6769 \@whilesw\if@fcolmade \fi{\@outputpage
6770 \@startdblcolumn}%
6771 \ifvoid\@viper
6772 \else
6773 \global\setbox\@viper\vbox{%
6774 \vskip-\stripsep
6775 \unvbox\@viper
6776 }%
6777 \@viperoutput
6778 \fi

```



```

6779 \endgroup
6780 \fi}%
6781
6782
6783 \def \@addviper {%
6784 \if@firstcolumn
6785 \insertfalse
6786 \@reqcolroom .5\@pageht
6787 \ht@viper\@reqcolroom
6788 \advance \@reqcolroom \ht@viper
6789 \advance \@reqcolroom \stripsep
6790 \ifvoid\hold@viper\@tempdima=z\else\@tempdima\ht\hold@viper\fi
6791 %%
6792 \@tempdimb \ht@viper
6793 \loop
6794 \setbox\v@aaa\copy\@holdpg
6795 \setbox\v@ccc\vbox to\@tempdimb{%
6796 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6797 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6798 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6799 \loop
6800 \setbox\v@aaa\copy\@holdpg
6801 \setbox\v@ccc\vbox to\@tempdimb{%
6802 \vsplit\v@aaa to\@tempdimb\vss}%
6803 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6804 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6805 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6806 \setbox\v@ccc\vbox to\@tempdimb{%
6807 \vsplit\@holdpg to\@tempdimb\vss}%
6808 %%
6809 \setbox\@tempboxa \vbox {%
6810 \hb@xt@\textwidth {%
6811 \if@RTLmain%
6812 \hskip \columnwidth
6813 \hfil \vrule width\columnseprule \hfil
6814 \hb@xt@\columnwidth {%
6815 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6816 \hskip -\textwidth
6817 \hb@xt@\columnwidth {%
6818 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6819 \hskip \columnsep
6820 \hskip \columnwidth
6821 \else%
6822 \hb@xt@\columnwidth {%
6823 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6824 \hfil
6825 \vrule \@width\columnseprule
6826 \hfil
6827 \hb@xt@\columnwidth {%
6828 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%

```



```

6829             \fi}%
6830         }%
6831     \ifvoid\hold@viper
6832         \global\setbox\hold@viper \vbox {%
6833             \unvbox\@tempboxa
6834             \penalty\interlinepenalty
6835             \vskip\stripsep
6836             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6837             \outputpenalty \z@
6838         }%
6839     \else
6840         \global\setbox\hold@viper \vbox {%
6841             \unvbox\hold@viper
6842             \unvbox\@tempboxa
6843             \penalty\interlinepenalty
6844             \vskip\stripsep
6845             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6846             \outputpenalty \z@
6847         }%
6848     \fi
6849     \ifdim \@colroom>\@reqcolroom
6850         \global\setbox\hold@viper \vbox {%
6851             \unvbox\hold@viper
6852             \box\@viper
6853             \penalty\interlinepenalty
6854             \vskip\stripsep
6855             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6856             \outputpenalty \z@
6857         }%
6858         \@inserttrue
6859         \advance\@tempdima by-\ht\hold@viper
6860         \global \advance \@colht \@tempdima
6861         \ifdim \@colht<2.5\baselineskip
6862             \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6863                 too tall on page \thepage (1 stulpelis)}%
6864             \@emptycol
6865             \if@firstcolumn
6866                 \else
6867                     \@emptycol
6868                 \fi
6869             \global\@lastvipertrue
6870         \else
6871             \global \vsize \@colht
6872             \global \@colroom \@colht
6873             \check@floats
6874             \ifdim\@tempdima>\z@
6875                 \global\advance\@colroom by-\@tempdima
6876             \fi
6877             \ifdim\@colroom<\z@
6878                 \global\@colroom 1pt

```





```

6879         \ifdim\@tempdima>\@colht
6880             \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6881                 netelpa lape \thepage (1 stulpelis)}%
6882         \fi
6883         \@emptycol
6884         \if@firstcolumn
6885         \else
6886             \@emptycol
6887         \fi
6888         \global\@lastvipertrue
6889     \fi
6890 \fi
6891 \fi
6892 \else
6893     \@insertfalse
6894     \@reqcolroom\@colht
6895     \advance\@reqcolroom \@pageht
6896     \ht@viper.5\@reqcolroom
6897     \@reqcolroom\ht@viper
6898     \advance \@reqcolroom \ht\@viper
6899     \advance \@reqcolroom \stripsep
6900     \if@flushend@auto@baselineskip
6901         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6902             \global\lastskip@d\lastskip
6903             \global\lastskip@b\lastskip
6904             \loop
6905                 \global\lastskip@a\lastskip@b
6906                 \unskip\unpenalty
6907                 \global\lastskip@b\lastskip
6908                 \global\advance\lastskip@d by\lastskip
6909                 \ifdim\lastskip@b=-\lastskip@a
6910                     \global\advance\lastskip@d by-\lastskip
6911                 \else
6912                     \repeat
6913                 \ifdim\lastskip@b=-\lastskip@a
6914                     \ifdim\lastskip@b=\z@
6915                         \setbox\lastbox@a\lastbox
6916                         \global\advance\lastskip@d by\ht\lastbox@a
6917                         \global\advance\lastskip@d by\lastskip
6918                         \unskip\unpenalty
6919                         \setbox\lastbox@a\lastbox
6920                         \global\advance\lastskip@d by\dp\lastbox@a
6921                     \else
6922                         \global\lastskip@d\lastskip
6923                         \global\advance\lastskip@d by\topskip
6924                     \fi
6925                 \fi
6926                 \global\advance\lastskip@d by-\topskip
6927             }%
6928     \ifdim\ht\@holdpg>\@colht

```



```

6929 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6930 \par\eject
6931 \vbox to \@colht{\unvbox\@holdpg\unskip}%
6932 }%
6933 \else
6934 \global\setbox\@holdpg\vbox{%
6935 \unvbox\@leftcolumn\unskip\unpenalty
6936 \vskip\lastskip@d
6937 \the\At@ViperColsBreak
6938 \unvbox\@holdpg
6939 \unskip
6940 }%
6941 \fi
6942 \else
6943 \global\setbox\@holdpg\vbox{%
6944 \unvbox\@leftcolumn
6945 \setbox\@tempboxa\lastbox
6946 \on@stripcols@break
6947 \the\At@ViperColsBreak
6948 \unvbox\@holdpg
6949 }%
6950 \fi
6951 \global\At@ViperColsBreak{}%
6952 \ht@viper .5\ht\@holdpg
6953 \ifdim \ht@viper>\@colht
6954 \ht@viper \@colht
6955 \fi
6956 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6957 %%
6958 \@tempdimb \ht@viper
6959 \loop
6960 \setbox\v@aaa\copy\@holdpg
6961 \setbox\v@ccc\vbox to\@tempdimb{%
6962 \vsplit\v@aaa to\@tempdimb
6963 \vss
6964 \vsplit\v@aaa to\@tempdimb
6965 }%
6966 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6967 \ifvoid\v@aaa
6968 \else
6969 \advance\@tempdimb 1\p@
6970 \repeat
6971 \loop
6972 \setbox\v@aaa\copy\@holdpg
6973 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6974 \wlog{(2)Left:\the\ht\v@ccc\space
6975 Right:\the\ht\v@aaa\space
6976 Output:\the\@tempdimb
6977 }%
6978 \ifdim\ht\v@ccc<\ht\v@aaa

```



```

6979 \tempdimb \the\ht\v@aaa
6980 \repeat
6981 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6982      ^^JRight:\the\ht\v@aaa
6983      ^^JOutput:\the\tempdimb
6984      }%
6985 \setbox\v@ccc\vbox to\tempdimb{\vsplit\@holdpg to\tempdimb\vss}%
6986 \setbox\tempboxa\vbox{%
6987   \hb@xt@\textwidth {%
6988     \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6989     \hfil
6990     \vrule \@width\columnseprule
6991     \hfil
6992     \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6993     }%
6994   }%
6995 \ifvoid\hold@viper
6996   \global\setbox\hold@viper \vbox {%
6997     \unvbox\tempboxa
6998     \penalty\interlinepenalty
6999     \vskip\stripsep
7000     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7001     \outputpenalty \z@
7002     }%
7003 \else
7004   \global\setbox\hold@viper \vbox {%
7005     \unvbox\hold@viper
7006     \unvbox\tempboxa
7007     \penalty\interlinepenalty
7008     \vskip\stripsep
7009     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7010     \outputpenalty \z@
7011     }%
7012 \fi
7013 \ifdim \@colht>\@reqcolroom
7014   \global\setbox\hold@viper \vbox {%
7015     \unvbox\hold@viper
7016     \box\@viper
7017     \penalty\interlinepenalty
7018     \vskip\stripsep
7019     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7020     \outputpenalty \z@
7021     }%
7022 \inserttrue
7023 \global\@firstcolumntrue
7024 \advance\@tempdima by-\ht\hold@viper
7025 \global \advance \@colht \@tempdima
7026 \ifdim \@colht<2.5\baselineskip
7027 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7028                          too tall on page \thepage (2 stulpelis)}%

```



```

7029         \@emptycol
7030         \if@firstcolumn
7031         \else
7032             \@emptycol
7033         \fi
7034         \global\@lastvipertrue
7035     \else
7036         \global \vsize \@colht
7037         \global \@colroom \@colht
7038         \check@floats
7039         \ifdim\@tempdima>\z@
7040             \global\advance\@colroom by-\@tempdima
7041         \fi
7042         \ifdim\@colroom<\z@
7043             \global\@colroom 1pt
7044             \ifdim\@tempdima>\@colht
7045                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7046                                         netelpe lape \thepage (2 stulpelis)}%
7047             \fi
7048             \@emptycol
7049             \if@firstcolumn
7050             \else
7051                 \@emptycol
7052             \fi
7053             \global\@lastvipertrue
7054         \fi
7055     \fi
7056 \fi
7057 \fi
7058 \if@insert
7059 \else
7060     \advance\@tempdima by-\ht\hold@viper
7061     \global \advance \@colht \@tempdima
7062     \global\setbox\hold@viper \vbox {%
7063                                     \unvbox\hold@viper
7064                                     \csname viper@top@hook\endcsname
7065                                     \vsplit\@viper to \@colht
7066                                     \vss
7067                                     }%
7068     \vbox{}%
7069     \global\@firstcolumnfalse
7070     \newpage
7071 \fi
7072 }

```

## 7.46 cvthemebidicasual.sty

```

7073 \NeedsTeXFormat{LaTeX2e}
7074 \ProvidesPackage{cvthemebidicasual}
7075 \DeclareOption{blue}{-}

```



```

7076 \newif\if@colouorange\@colouorangefalse
7077 \DeclareOption{orange}{\@colouorange>true}
7078 \newif\if@colourgreen\@colourgreenfalse
7079 \DeclareOption{green}{\@colourgreen>true}
7080 \newif\if@coloured\@colouredfalse
7081 \DeclareOption{red}{\@coloured>true}
7082 \newif\if@colourgrey\@colourgreyfalse
7083 \DeclareOption{grey}{\@colourgrey>true}
7084 \DeclareOption*{
7085   \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7086 \ExecuteOptions{colour}
7087 \ProcessOptions\relax
7088 \renewcommand*{\listitemsymbol}{\textbullet}
7089 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7090 \familynamecolour{808080}
7091 \firstnamecolour{A9A9A9}
7092 \quotecolour{696969}
7093 \addresscolour{696969}
7094 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7095 \sectiontitlecolour{1E90FF}
7096 \subsectioncolour{4682B4}
7097 \definecolor{rulecolour}{gray}{0.6}
7098 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7099 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7100 \if@colouorange
7101   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7102   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7103   \sectiontitlecolour{FF8C00}
7104   \subsectioncolour{FF8C00}
7105   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7106   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7107 \if@colourgreen
7108   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7109   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7110   \sectiontitlecolour{008000}
7111   \subsectioncolour{008000}
7112   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7113   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7114 \if@coloured
7115   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7116   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7117   \sectiontitlecolour{FF0000}
7118   \subsectioncolour{FF0000}
7119   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7120   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7121 \if@colourgrey
7122   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7123   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7124   \sectiontitlecolour{808080}
7125   \subsectioncolour{808080}

```



```

7126 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7127 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7128 \renewcommand*{\ttdefault}{pcr}
7129 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7130 \renewcommand*{\familynamefont}{\firstnamefont}
7131 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7132 \renewcommand*{\quoteont}{\large\slshape}
7133 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7134 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7135 \renewcommand*{\maketitle}{%
7136   {%
7137     \ifthenelse{\isundefined{\@photo}}{%
7138       {%
7139         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7140         \hfill%
7141         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7142         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7143       \ifthenelse{\isundefined{\@quote}}{%
7144         {%
7145           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
7146         }%
7147     \newif\if@firstfooterelement\@firstfooterelementtrue
7148     \providecommand*{\footersymbol}{%
7149       \renewcommand*{\footersymbol}{%
7150         \if@firstfooterelement%
7151           \else%
7152             {~~\color{footersymbolcolor}\textbullet~~}\fi}
7153     \providecommand*{\makefooter}{%
7154       \renewcommand*{\makefooter}{%
7155         \fancypagestyle{plain}{%
7156           \fancyfoot[c]{%
7157             \parbox{0.8\textwidth}{%
7158               \centering%
7159               \addressfont\@addresscolour%
7160               \ifthenelse{\isundefined{\@address}}{~}{%
7161                 \addresssymbol~\@address\%
7162                 \@firstfooterelementfalse}%
7163               \ifthenelse{\isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7164               \ifthenelse{\isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelemen
7165               \ifthenelse{\isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
7166               \ifthenelse{\isundefined{\@email}}{~}{\footersymbol\emailsymbol~\email\@first
7167               \ifthenelse{\isundefined{\@extrainfo}}{~}{\footersymbol\@extrainfo\@firstfooterelementfals
7168             }%
7169         \pagestyle{plain}}
7170 \AtBeginDocument{\makefooter}

```

## 7.47 cvthemebidiclassic.sty

```

7171 \NeedsTeXFormat{LaTeX2e}
7172 \ProvidesPackage{cvthemebidiclassic}

```



```

7173 \DeclareOption{blue}{\
7174 \newif\if@colourorange\@colourorangefalse
7175 \DeclareOption{orange}{\@colourorange>true}
7176 \newif\if@colourgreen\@colourgreenfalse
7177 \DeclareOption{green}{\@colourgreentrue}
7178 \newif\if@coloured\@colouredfalse
7179 \DeclareOption{red}{\@colouredtrue}
7180 \newif\if@colourgrey\@colourgreyfalse
7181 \DeclareOption{grey}{\@colourgreytrue}
7182 \DeclareOption*{
7183   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7184 \ExecuteOptions{colour}
7185 \ProcessOptions\relax
7186 \renewcommand*{\listitemsymbol}{\textbullet}
7187 \firstnamecolour{}
7188 \familynamecolour{}
7189 \titlecolour{808080}
7190 \quotecolour{696969}
7191 \addresscolour{696969}
7192 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7193 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7194 \sectiontitlecolour{1E90FF}
7195 \subsectioncolour{4682B4}
7196 \if@colourorange
7197   \addresscolour{FF8C00}
7198   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7199   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7200   \sectiontitlecolour{FF8C00}
7201   \subsectioncolour{FF8C00}\fi
7202 \if@colourgreen
7203   \addresscolour{008000}
7204   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7205   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7206   \sectiontitlecolour{008000}
7207   \subsectioncolour{008000}\fi
7208 \if@coloured
7209   \addresscolour{FF0000}
7210   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7211   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7212   \sectiontitlecolour{FF0000}
7213   \subsectioncolour{FF0000}\fi
7214 \if@colourgrey
7215   \addresscolour{808080}
7216   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7217   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7218   \sectiontitlecolour{808080}
7219   \subsectioncolour{808080}\fi
7220 \renewcommand*{\ttdefault}{pcr}
7221 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7222 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}

```



```

7223 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7224 \renewcommand*{\familynamefont}{\firstnamefont}
7225 \renewcommand*{\quoteont}{\large\slshape}
7226 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7227 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7228 \newlength{\maketitlenamemaxwidth}
7229 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7230 \newlength{\maketitlenamewidth}
7231 \setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
7232 \newlength{\maketitlepicturewidth}
7233 \setlength{\maketitlepicturewidth}{\@photowidth}
7234 \newlength{\maketitledetailswidth}
7235 \renewcommand*{\recomputethemelengths}{%
7236   \setlength{\maketitledetailswidth}{\textwidth}%
7237   \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
7238   \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7239   \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
7240   \recomputethemelengths
7241 \newif\if@firstdetailselement\@firstdetailselementtrue
7242 \newcommand*{\maketitledetailsnewline}{%
7243   \if@firstdetailselement%
7244     \@firstdetailselementfalse%
7245   \else%
7246     \[.2em]\fi}
7247 \renewcommand*{\maketitle}{%
7248   % name and title
7249   \begin{minipage}[b]{\maketitlenamewidth}%
7250     \firstnamefont{\@firstname~}\familynamefont{\@familyname}%
7251     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlefont{\@title}}{}%
7252   \end{minipage}%
7253   % optional data
7254   \begin{minipage}[b]{\maketitledetailswidth}%
7255     \bidi@raggedleft\addressfont\@addresscolour%
7256     \ifthenelse{\isundefined{\@address}}{\%
7257       \maketitledetailsnewline%
7258       \addresssymbol~\@address}%
7259     \ifthenelse{\isundefined{\@mobile}}{\%
7260       \maketitledetailsnewline\mobilesymbol~\@mobile}%
7261     \ifthenelse{\isundefined{\@phone}}{\%
7262       \maketitledetailsnewline\phonesymbol~\@phone}%
7263     \ifthenelse{\isundefined{\@fax}}{\%
7264       \maketitledetailsnewline\faxsymbol~\@fax}%
7265     \ifthenelse{\isundefined{\@email}}{\%
7266       \maketitledetailsnewline\emailsymbol~\@email}%
7267     \ifthenelse{\isundefined{\@extrainfo}}{\%
7268       \maketitledetailsnewline\@extrainfo}%
7269   \end{minipage}%
7270   % optional photo
7271   \ifthenelse{\isundefined{\@photo}}{\%
7272     {\hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@photo}}}%

```





```

7273     {}%
7274     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}\[2.
7275   }

```

## 7.48 dblfnote-xetex-bidi.def

```

7276 \ProvidesFile{dblnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for
7277 \let\autofooterule\relax
7278 \let\rightfootnoterule\relax
7279 \let\leftfootnoterule\relax
7280 \let\textwidthfootnoterule\relax
7281 \let\LRfootnoterule\relax
7282 \def\footnoterule{\kern-3\p@
7283   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7284 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7285 \let\@footnotetext\dfn@footnotetext}
7286 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7287   \let\insert\dfn@gobble
7288   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7289   \def\@makefnmark{\smash{\dfn@makefnmark}}
7290   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7291   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7292   \ifdim\dfn@dima>\z@\else
7293     \dfn@dima\sp\relax
7294     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7295   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7296     \ifvoid\dfn@ins\else
7297       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7298     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7299   \setbox\dfn@boxa\copy\dfn@ins
7300   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7301   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7302   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7303   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}}%
7304   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7305 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7306 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7307 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7308   \let\insert\dfn@gobble
7309   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7310   \def\@makefnmark{\smash{\dfn@makefnmark}}
7311   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7312   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7313   \ifdim\dfn@dima>\z@\else
7314     \dfn@dima\sp\relax
7315     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7316   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7317     \ifvoid\dfn@ins\else
7318       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7319     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%

```



```

7320 \setbox\dfn@boxa\copy\dfn@ins
7321 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7322 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7323 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7324 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7325 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}%
7326 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7327 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7328 \def\dfn@RTLmakecol{\ifvoid\footins\else
7329 \dfn@dima\ht\footins
7330 \@tempcnta\z@ \dfn@countins
7331 \@tempdima\z@ \let\@elt\dfn@elt@getht
7332 \dfn@list\@nil
7333 \ifdim\@tempdima=\z@\else
7334 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7335 \global\setbox\dfn@ins\box\dfn@ins
7336 \@tempwattrue
7337 \ifdfn@trysingle
7338 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7339 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7340 \advance\@tempdima\skip\footins
7341 \advance\@tempdima-\ht\dfn@boxa
7342 \ifdim\@tempdima<\z@\else \@tempwafalse
7343 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7344 \footnoterule \unvbox\dfn@boxa}\fi\fi
7345 \if@tempswa
7346 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7347 \global\setbox\footins\vbox{\hbox{%
7348 \hskip \DFNcolumnwidth
7349 \hskip\DFNcolumnsep
7350 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7351 \unvbox\dfn@boxb\vss}\hss}
7352 \hskip -\textwidth
7353 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7354 \vbox to\@tempdima{
7355 \setbox\@tempboxa\vbox{\footnoterule}
7356 \ifdfn@ruleboth \unvbox\@tempboxa
7357 \else \@tempdima\ht\@tempboxa
7358 \advance\@tempdima\dp\@tempboxa
7359 \vskip\@tempdima
7360 \prevdepth\dp\@tempboxa \fi
7361 \unvbox\dfn@boxa\vss}\fi\hss}
7362 \hskip \DFNcolumnsep
7363 \hskip \DFNcolumnwidth}}\fi\fi
7364 \global\dfn@fnht\z@
7365 \ifx\dfn@list\@empty\else
7366 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7367 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7368 \let\@elt\relax
7369 \ifdim\dfn@dimb>\z@

```



```

7370         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7371         \insert\footins{\floatingpenalty\@MM
7372             \vbox to\dfn@dimb{}}\fi
7373     \ifdim\dfn@fnht>\@tempdima
7374         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7375         \global\dfn@fnht\@tempdima
7376     \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7377     \xdef\dfn@afteroutput{\insert\footins{
7378         \floatingpenalty\@MM
7379         \vbox to\number\@tempdimb sp{}}%
7380         \global\let\noexpand\dfn@afteroutput\relax}%
7381     \fi\fi
7382 \fi}%
7383 \let\footnoterule\relax \dfn@latex@makecol
7384 \let\footnoterule\dfn@footnoterule}
7385 \def\dfn@LTRmakecol{\ifvoid\footins\else
7386     \dfn@dima\ht\footins
7387     \@tempcnta\z@ \dfn@countins
7388     \@tempdima\z@ \let\@elt\dfn@elt@getht
7389     \dfn@list\@nil
7390     \ifdim\@tempdima=\z@\else
7391         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7392         \global\setbox\dfn@ins\box\dfn@ins
7393         \@tempswatrue
7394         \ifdfn@trysingle
7395             \setbox\dfn@boxb\vbox{\unvcopy\@ccclv}\@tempdima\@colroom
7396             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7397             \advance\@tempdima-\skip\footins
7398             \advance\@tempdima-\ht\dfn@boxa
7399             \ifdim\@tempdima<\z@\else \@tempswafalse
7400                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7401                     \footnoterule \unvbox\dfn@boxa}\fi\fi
7402         \if@tempswa
7403             \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7404             \global\setbox\footins\vbox{\hbox{%
7405                 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7406                     \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7407                 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7408                     \vbox to\@tempdima{
7409                         \setbox\@tempboxa\vbox{\footnoterule}
7410                         \ifdfn@ruleboth \unvbox\@tempboxa
7411                         \else \@tempdima\ht\@tempboxa
7412                         \advance\@tempdima\dp\@tempboxa
7413                         \vskip\@tempdima
7414                         \prevdepth\dp\@tempboxa \fi
7415                         \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7416             \global\dfn@fnht\z@
7417         \ifx\dfn@list\@empty\else
7418             \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7419             \dfn@list \global\advance\dfn@fnht\dfn@dimb

```



```

7420 \let\@elt\relax
7421 \ifdim\dfn@dimb>\z@
7422 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7423 \insert\footins{\floatingpenalty\@MM
7424 \vbox to\dfn@dimb{}}\fi
7425 \ifdim\dfn@fnht>\@tempdima
7426 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7427 \global\dfn@fnht\@tempdima
7428 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7429 \xdef\dfn@afteroutput{\insert\footins{
7430 \floatingpenalty\@MM
7431 \vbox to\number\@tempdimb sp{}}%
7432 \global\let\noexpand\dfn@afteroutput\relax}%
7433 \fi\fi
7434 \fi}%
7435 \let\footnoterule\relax \dfn@latex@makecol
7436 \let\footnoterule\dfn@footnoterule}
7437 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7438 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7439 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7440 \DFNalwaysdouble

```

## 7.49 draftwatermark-xetex-bidi.def

```

7441 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
7442 \renewcommand\SetWatermarkText[1]{%
7443 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

## 7.50 eso-pic-xetex-bidi.def

```

7444 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for X
7445 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7446 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}%
7447
7448 \ESO@isMEMOIR{%
7449 \renewcommand\AtTextUpperLeft[1]{%
7450 \begingroup
7451 \ifodd\c@page
7452 \@tempdima=\spinemargin
7453 \else
7454 \@tempdima=\paperwidth
7455 \advance\@tempdima-\textwidth
7456 \advance\@tempdima-\spinemargin
7457 \fi
7458 \@tempdimb=-\uppermargin
7459 \AtPageUpperLeft{%
7460 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7461 }%
7462 \endgroup
7463 }
7464 }{%

```



```

7465 \renewcommand\AtTextUpperLeft[1]{%
7466 \begingroup
7467 \@tempdima=1in\relax
7468 \ifodd\c@page
7469 \advance\@tempdima\oddsidemargin
7470 \else
7471 \advance\@tempdima\evensidemargin
7472 \fi
7473 \@tempdimb=-1in\relax
7474 \advance\@tempdimb-\topmargin
7475 \advance\@tempdimb-\headheight
7476 \advance\@tempdimb-\headsep
7477 \AtPageUpperLeft{%
7478 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7479 }%
7480 \endgroup
7481 }
7482 }

```

## 7.51 empheq-xetex-bidi.def

```

7483 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7484 \MHInternalSyntaxOn
7485 \def\EQ_tag_plus_endmark:{%
7486 \iftagsleft@
7487 \gdef\maketag@@@#1{%
7488 \hfuzz\displaywidth
7489 \if@RTL\makebox[\widthof{#1}][r]{%
7490 \hbox to \displaywidth{\m@th\normalfont##1\hss
7491 \raisebox{-\dp\EQ_mathdisplay_box
7492 -\depthof{\EQ_outerbox:}}{
7493 {\PotEndMark{\hss}}}}
7494 \else\makebox[\widthof{#1}][l]{%
7495 \hbox to \displaywidth{\m@th\normalfont##1\hss
7496 \raisebox{-\dp\EQ_mathdisplay_box
7497 -\depthof{\EQ_outerbox:}}{
7498 {\PotEndMark{\hss}}}}\fi}%
7499 \else:
7500 \gdef\maketag@@@#1{%
7501 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
7502 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
7503 \MH_addtolength:dn \@tempdima
7504 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7505 \setlength{\@tempdimb}
7506 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7507 +\depthof{\EQ_innerbox:}}}
7508 \if_dim:w \@tempdima>\@tempdimb
7509 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7510 -\@tempdima+\g_EQ_bottomrow_depth_dim}
7511 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%

```



```

7512         \def\EQ_next:{\raisebox{\@tempdima}}%
7513     \else:
7514         \def\EQ_next:{
7515             \raisebox{-\dp\EQ_mathdisplay_box
7516                 -\depthof{\EQ_outerbox:}}}%
7517         \fi:\EQ_next:}}}%
7518     \fi:}
7519 \def\EQ_post_process:{%
7520     \EQ_initialize:
7521     \EQ_begin_equation:
7522     \MH_if_boolean:nT {outer_mult}{
7523         \setkeys{\MT_options_name:}{
7524             firstline-afterskip=0pt,
7525             lastline-preskip=0pt,
7526             multlined-width=0pt,
7527         }
7528         \ifodd \l_EQ_alignmentmode_int
7529             \setkeys{\MT_options_name:}{multlined-pos=b}
7530         \else:
7531             \setkeys{\MT_options_name:}{multlined-pos=t}
7532         \fi:
7533         \g@addto@macro\EQ_complete_mathdisplay:{
7534             \begin{MTmultlined}\relax
7535         }
7536         \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7537         \MH_if_boolean:nT {outer_mult}{
7538             \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7539         }
7540     \EQ_end_equation:
7541     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7542     \savecounters@
7543     \EQ_typeset_tags:
7544     \edef\l_EQ_equation_fint{\number\c@equation}
7545     \restorecounters@
7546     \Hy@linkcounter=\EQ_hyperref_link_fint
7547     \settowidth\l_EQ_totalwidth_dim{%
7548         $\EQ_left_side:\EQ_innerbox:{$}\EQ_right_side:$}%
7549     \MH_if_boolean:nTF {outer_mult}
7550     { \def\EQ_next:{_mult} }
7551     { \def\EQ_next:{} }
7552     \@nameuse{EQ_modify_linewidth_
7553         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7554     \EQ_typeset_display:
7555     \@nameuse{find_displaywidth_
7556         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7557     \MH_addtolength:dn
7558     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7559     \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7560         $\EQ_left_side:
7561         \EQ_innerbox:%

```



```

7562 \if_case:w \l_EQ_alignmentmode_int\or:
7563 \makebox[\l_EQ_displaywidth_dim][c]
7564 {\usebox{\EQ_mathdisplay_box}}%
7565 \or:
7566 \makebox[\l_EQ_displaywidth_dim][c]
7567 {\usebox{\EQ_mathdisplay_box}}%
7568 \or:
7569 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7570 \if_num:w \l_EQ_equationtype_int=5 \else:
7571 \if_num:w \l_EQ_equationtype_int=6 \else:
7572 \kern-\@mathmargin
7573 \fi:
7574 \fi:
7575 \usebox{\EQ_mathdisplay_box}}%
7576 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7577 \if_num:w \l_EQ_equationtype_int=5 \else:
7578 \if_num:w \l_EQ_equationtype_int=6 \else:
7579 \kern-\@mathmargin
7580 \fi:
7581 \fi:
7582 \usebox{\EQ_mathdisplay_box}}\fi%
7583 \or:
7584 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7585 \if_num:w \l_EQ_equationtype_int=5 \else:
7586 \if_num:w \l_EQ_equationtype_int=6 \else:
7587 \kern-\@mathmargin
7588 \fi:
7589 \fi:
7590 \usebox{\EQ_mathdisplay_box}}
7591 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7592 \if_num:w \l_EQ_equationtype_int=5 \else:
7593 \if_num:w \l_EQ_equationtype_int=6 \else:
7594 \kern-\@mathmargin
7595 \fi:
7596 \fi:
7597 \usebox{\EQ_mathdisplay_box}}\fi%
7598 \fi:}%
7599 \EQ_right_side:$}%
7600 \begin{AmSequation*}
7601 \@nameuse{EQ_place_display_
7602 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7603 \if_dim:w \g_EQ_widesttag_dim>\z@
7604 \MH_set_boolean_T:n {show_manual_tags}
7605 \if_case:w \l_EQ_alignmentmode_int
7606 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7607 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7608 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7609 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7610 \fi:
7611 \fi:

```



```

7612 \end{AmSequation*}
7613 \global\c@equation=\l_EQ_equation_fint\relax
7614 }
7615 \AtBeginDocument{%
7616 \ifpackageloaded{fancybox}{%
7617 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7618 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
7619 \renewcommand*\shadowbox{%
7620 \ifstar{MH_set_boolean_T:n {shadowbox_star}
7621 \VerbBox\EQ_shadowbox:n}
7622 {\MH_set_boolean_F:n {shadowbox_star}
7623 \VerbBox\EQ_shadowbox:n}}
7624 \def\EQ_shadowbox:n #1{%
7625 \sbox{z@}{\fbox{#1}}%
7626 \MH_if_boolean:nTF {shadowbox_star}{
7627 \MH_setlength:dn \@tempdima{z@}%
7628 }{
7629 \MH_setlength:dn \@tempdima{\dp z@+\shadowsize}%
7630 }
7631 \raisebox{\@tempdima}{%
7632 \if@RTL\makebox[z@][r]{%
7633 \kern\shadowsize \textcolor{shadowcolor}{%
7634 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
7635 }%
7636 \else\makebox[z@][l]{%
7637 \kern\shadowsize \textcolor{shadowcolor}{%
7638 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
7639 }%
7640 \usebox z@\textcolor{shadowcolor}{%
7641 \rule[-\dp z@-\shadowsize]{\shadowsize}{\ht z@+\dp z@}}}%
7642 }{}%
7643 }
7644 \MHInternalSyntaxOff

```

## 7.52 extarticle-xetex-bidi.def

```

7645 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class]
7646 \renewcommand*\l@section[2]{%
7647 \ifnum \c@tocdepth > \z@
7648 \addpenalty\secpenalty
7649 \addvspace{1.0em \@plus\p@}%
7650 \setlength\@tempdima{1.5em}%
7651 \begin{group}
7652 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7653 \parfillskip -\@pnumwidth
7654 \leavevmode \bfseries
7655 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
7656 \hskip -\if@RTL\rightskip\else\leftskip\fi
7657 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7658 \end{group}

```





```

7659 \fi}
7660 \renewcommand*\l@part[2]{%
7661 \ifnum \c@tocdepth >-2\relax
7662 \addpenalty\@secpenalty
7663 \addvspace{2.25em \@plus\p@}%
7664 \begingroup
7665 \setlength\@tempdima{3em}%
7666 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7667 \parfillskip -\@pnumwidth
7668 {\leavevmode
7669 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7670 \nobreak
7671 \endgroup
7672 \fi}
7673 \def\@part[#1]#2{%
7674 \ifnum \c@secnumdepth >\m@ne
7675 \refstepcounter{part}%
7676 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7677 \else
7678 \addcontentsline{toc}{part}{#1}%
7679 \fi
7680 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7681 \interlinepenalty \@M
7682 \normalfont
7683 \ifnum \c@secnumdepth >\m@ne
7684 \Large\bfseries \partname~\thepart
7685 \par\nobreak
7686 \fi
7687 \huge \bfseries #2%
7688 \markboth{}{}\par}%
7689 \nobreak
7690 \vskip 3ex
7691 \@afterheading}
7692 \def\@spart#1{%
7693 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7694 \interlinepenalty \@M
7695 \normalfont
7696 \huge \bfseries #1\par}%
7697 \nobreak
7698 \vskip 3ex
7699 \@afterheading}
7700 \renewenvironment{thebibliography}[1]
7701 {\section*{\refname
7702 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7703 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7704 \list{\@biblabel{\@arabic\c@enumiv}}%
7705 {\settowidth\labelwidth{\@biblabel{#1}}%
7706 \leftmargin\labelwidth
7707 \advance\leftmargin\labelsep
7708 \@openbib@code

```



```

7709         \usecounter{enumiv}%
7710         \let\p@enumiv\@empty
7711         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7712     \sloppy\clubpenalty4000\widowpenalty4000%
7713     \sfcode`\.\@m}
7714     {\def\@noitemerr
7715      {\@latex@warning{Empty `thebibliography' environment}}}%
7716     \endlist}
7717 \renewcommand\left@footnoterule{%
7718   \kern-3\p@
7719   \hrule\@width.4\columnwidth
7720   \kern2.6\p@}
7721 \renewcommand\right@footnoterule{%
7722   \kern-3\p@
7723   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7724   \kern2.6\p@}
7725   \if@titlepage
7726   \renewcommand\maketitle{\begin{titlepage}%
7727     \let\footnotesize\small
7728     \let\right@footnoterule\relax
7729     \let\left@footnoterule\relax
7730     \let\textwidth\footnoterule\relax
7731     \let \footnote \thanks
7732     \null\vfil
7733     \vskip 60\p@
7734     \begin{center}%
7735       {\LARGE \@title \par}%
7736       \vskip 3em%
7737       {\large
7738         \lineskip .75em%
7739         \begin{tabular}[t]{c}%
7740           \@author
7741           \end{tabular}\par}%
7742       \vskip 1.5em%
7743       {\large \@date \par}%           % Set date in \large size.
7744     \end{center}\par
7745     \@thanks
7746     \vfil\null
7747   \end{titlepage}%
7748   \setcounter{footnote}{0}%
7749   \global\let\thanks\relax
7750   \global\let\maketitle\relax
7751   \global\let\@thanks\@empty
7752   \global\let\@author\@empty
7753   \global\let\@date\@empty
7754   \global\let\@title\@empty
7755   \global\let\title\relax
7756   \global\let\author\relax
7757   \global\let\date\relax
7758   \global\let\and\relax

```



```

7759 }
7760 \else
7761 \renewcommand\maketitle{\par
7762 \beginngroup
7763 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7764 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7765 \long\def\@makefntext##1{\parindent 1em\noindent
7766 \hb@xt@1.8em{%
7767 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7768 \if@twocolumn
7769 \ifnum \col@number=\@ne
7770 \@maketitle
7771 \else
7772 \twocolumn[\@maketitle]%
7773 \fi
7774 \else
7775 \newpage
7776 \global\@topnum\z@ % Prevents figures from going at top of page.
7777 \@maketitle
7778 \fi
7779 \thispagestyle{plain}\@thanks
7780 \endgroup
7781 \setcounter{footnote}{0}%
7782 \global\let\thanks\relax
7783 \global\let\maketitle\relax
7784 \global\let\@maketitle\relax
7785 \global\let\@thanks\@empty
7786 \global\let\@author\@empty
7787 \global\let\@date\@empty
7788 \global\let\@title\@empty
7789 \global\let\title\relax
7790 \global\let\author\relax
7791 \global\let\date\relax
7792 \global\let\and\relax
7793 }
7794 \def\@maketitle{%
7795 \newpage
7796 \null
7797 \vskip 2em%
7798 \begin{center}%
7799 \let \footnote \thanks
7800 {\LARGE \@title \par}%
7801 \vskip 1.5em%
7802 {\large
7803 \lineskip .5em%
7804 \begin{tabular}[t]{c}%
7805 \@author
7806 \end{tabular}\par}%
7807 \vskip 1em%
7808 {\large \@date}%

```



```

7809 \end{center}%
7810 \par
7811 \vskip 1.5em}
7812 \fi
7813 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7814 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7815 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7816 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

### 7.53 extbook-xetex-bidi.def

```

7817 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7818 \if@titlepage
7819 \renewcommand\maketitle{\begin{titlepage}%
7820 \let\footnotesize\small
7821 \let\right@footnoterule\relax
7822 \let\left@footnoterule\relax
7823 \let\textwidth\footnoterule\relax
7824 \let \footnote \thanks
7825 \let \LTRfootnote \LTRthanks
7826 \let \RTLfootnote \RTLthanks
7827 \null\vfil
7828 \vskip 60\p@
7829 \begin{center}%
7830 {\LARGE \@title \par}%
7831 \vskip 3em%
7832 {\large
7833 \lineskip .75em%
7834 \begin{tabular}[t]{c}%
7835 \@author
7836 \end{tabular}\par}%
7837 \vskip 1.5em%
7838 {\large \@date \par}% % Set date in \large size.
7839 \end{center}\par
7840 \@thanks
7841 \vfil\null
7842 \end{titlepage}%
7843 \setcounter{footnote}{0}%
7844 \global\let\thanks\relax
7845 \global\let\LTRthanks\relax
7846 \global\let\RTLthanks\relax
7847 \global\let\maketitle\relax
7848 \global\let\@thanks\@empty
7849 \global\let\@author\@empty
7850 \global\let\@date\@empty
7851 \global\let\@title\@empty
7852 \global\let\title\relax
7853 \global\let\author\relax
7854 \global\let\date\relax
7855 \global\let\and\relax

```



```

7856 }
7857 \else
7858 \renewcommand\maketitle{\par
7859 \begin{group}
7860 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7861 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7862 \long\def\@makefntext##1{\parindent 1em\noindent
7863 \hb@xt@1.8em{%
7864 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7865 \if@twocolumn
7866 \ifnum \col@number=\@ne
7867 \@maketitle
7868 \else
7869 \twocolumn[\@maketitle]%
7870 \fi
7871 \else
7872 \newpage
7873 \global\@topnum\z@ % Prevents figures from going at top of page.
7874 \@maketitle
7875 \fi
7876 \thispagestyle{plain}\@thanks
7877 \endgroup
7878 \setcounter{footnote}{0}%
7879 \global\let\thanks\relax
7880 \global\let\LTRthanks\relax
7881 \global\let\RTLthanks\relax
7882 \global\let\maketitle\relax
7883 \global\let\@maketitle\relax
7884 \global\let\@thanks\@empty
7885 \global\let\@author\@empty
7886 \global\let\@date\@empty
7887 \global\let\@title\@empty
7888 \global\let\title\relax
7889 \global\let\author\relax
7890 \global\let\date\relax
7891 \global\let\and\relax
7892 }
7893 \def\@maketitle{%
7894 \newpage
7895 \null
7896 \vskip 2em%
7897 \begin{center}%
7898 \let \footnote \thanks
7899 \let \LTRfootnote \LTRthanks
7900 \let \RTLfootnote \RTLthanks
7901 {\LARGE \@title \par}%
7902 \vskip 1.5em%
7903 {\large
7904 \lineskip .5em%
7905 \begin{tabular}[t]{c}%

```



```

7906         \@author
7907         \end{tabular}\par}%
7908         \vskip 1em%
7909         {\large \@date}%
7910     \end{center}%
7911     \par
7912     \vskip 1.5em}
7913 \fi
7914 \renewcommand*\l@part[2]{%
7915     \ifnum \c@tocdepth >-2\relax
7916         \addpenalty{-\@highpenalty}%
7917         \addvspace{2.25em \@plus\p@}%
7918         \begingroup
7919             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7920             \parfillskip -\@pnumwidth
7921             {\leavevmode
7922                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7923             \nobreak
7924             \global\@nobreaktrue
7925             \everypar{\global\@nobreakfalse\everypar{}}%
7926         \endgroup
7927     \fi}
7928 \renewcommand\theequation
7929     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7930 \renewcommand \thefigure
7931     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7932 \renewcommand \thetable
7933     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7934 \renewcommand \thechapter {\@arabic\c@chapter}
7935 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7936 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7937 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
7938 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
7939 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
7940 \def\@makechapterhead#1{%
7941     \vspace*{50\p@}%
7942     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7943         \ifnum \c@secnumdepth >\m@ne
7944             \if@mainmatter
7945                 \huge\bfseries \@chapapp\space \thechapter
7946                 \par\nobreak
7947                 \vskip 20\p@
7948             \fi
7949             \fi
7950         \interlinepenalty\@M
7951         \Huge \bfseries #1\par\nobreak
7952         \vskip 40\p@
7953     }}
7954
7955 \def\@makeschapterhead#1{%

```



```

7956 \vspace*{50\p@}%
7957 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7958 \normalfont
7959 \interlinepenalty\@M
7960 \Huge \bfseries #1\par\nobreak
7961 \vskip 40\p@
7962 }}
7963 \renewcommand\backmatter{%
7964 \if@openright
7965 \cleardoublepage
7966 \else
7967 \clearpage
7968 \fi
7969 \@mainmatterfalse}
7970 \renewenvironment{thebibliography}[1]
7971 {\chapter*{\bibname
7972 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7973 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7974 \list{\@biblabel{\@arabic\c@enumiv}}%
7975 {\settowidth\labelwidth{\@biblabel{#1}}%
7976 \leftmargin\labelwidth
7977 \advance\leftmargin\labelsep
7978 \@openbib@code
7979 \usecounter{enumiv}%
7980 \let\p@enumiv\@empty
7981 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7982 \sloppy
7983 \clubpenalty4000
7984 \@clubpenalty \clubpenalty
7985 \widowpenalty4000%
7986 \sfcode`.\@m}
7987 {\def\@noitemerr
7988 {\@latex@warning{Empty `thebibliography' environment}}%
7989 \endlist}

```

## 7.54 extletter-xetex-bidi.def

```

7990 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
7991 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
7992 \thispagestyle{firstpage}%
7993 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
7994 \else % home address
7995 \thispagestyle{empty}%
7996 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7997 \fromaddress \*[2\parskip]%
7998 \@date \end{tabular}\par}%
7999 \fi
8000 \vspace{2\parskip}%
8001 {\if@RTL\raggedleft\else\raggedright\fi \toname \[2\parskip] \toaddress \par}%
8002 \vspace{2\parskip}%

```



```

8003 #1\par\nobreak}
8004 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8005 \stopbreaks
8006 \noindent
8007 \ifx\@empty\fromaddress\else
8008 \hspace*{\longindentation}\fi
8009 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8010 \ignorespaces #1\}[6\medskipamount]%
8011 \ifx\@empty\fromsig
8012 \fromname
8013 \else \fromsig \fi\strut}%
8014 \par}
8015 \renewcommand\left@footnoterule{%
8016 \kern-\p@
8017 \hrule \@width .4\columnwidth
8018 \kern .6\p@}
8019 \renewcommand\right@footnoterule{%
8020 \kern-\p@
8021 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8022 \kern .6\p@}

```

## 7.55 extrafootnotefeatures-xetex-bidi.def

```

8023 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2016/05/10 v1 bidi extra footnote features ]
8024 \let\autofootnoterule\relax
8025 \let\rightfootnoterule\relax
8026 \let\leftfootnoterule\relax
8027 \let\textwidthfootnoterule\relax
8028 \let\LRfootnoterule\relax
8029 \def\footnoterule{\kern-3\p@
8030 \hrule \@width \columnwidth \kern 2.6\p@}
8031 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8032 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8033 \renewcommand{\@footnotetext}[1]{%
8034 \insert\footins{%
8035 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8036 \def\baselinestretch{\m@m@footnote@spacing}%
8037 \reset@font
8038 \foottextfont
8039 \@preamfntext
8040 \hsize\columnwidth
8041 \protected@edef\@currentlabel{%
8042 \csname p@footnote\endcsname\@thefnmark}%
8043 \color@begingroup
8044 \@makefntext{%
8045 \rule{z@\footnotesep}\ignorespaces{\foottextfont #1}%
8046 \@finalstrut\strutbox}%
8047 \color@endgroup}%
8048 \m@mmf@prepare}
8049 \renewcommand{\@RTLfootnotetext}[1]{%

```





```

8050 \insert\footins{%
8051 \RTLtrue%
8052 \def\baselinestretch{\m@m@footnote@spacing}%
8053 \reset@font
8054 \RTLfoottextfont
8055 \@preamfntext
8056 \hsize\columnwidth
8057 \protected@edef\@currentlabel{%
8058 \csname p@footnote\endcsname\@thefnmark}%
8059 \color@begingroup
8060 \makefnfntext{%
8061 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8062 \@finalstrut\strutbox}%
8063 \color@endgroup}%
8064 \m@mmf@prepare}
8065 \renewcommand{\LTRfootnotetext}[1]{%
8066 \insert\footins{%
8067 \RTLfalse%
8068 \def\baselinestretch{\m@m@footnote@spacing}%
8069 \reset@font
8070 \LTRfoottextfont
8071 \@preamfntext
8072 \hsize\columnwidth
8073 \protected@edef\@currentlabel{%
8074 \csname p@footnote\endcsname\@thefnmark}%
8075 \color@begingroup
8076 \makefnfntext{%
8077 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8078 \@finalstrut\strutbox}%
8079 \color@endgroup}%
8080 \m@mmf@prepare}
8081 \renewcommand{\mpfootnotetext}[1]{%
8082 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\RTLtrue\else\RTLfalse\fi%
8083 \unvbox\@mpfootins
8084 \def\baselinestretch{\m@m@footnote@spacing}%
8085 \foottextfont \hsize\columnwidth \@parboxrestore
8086 \protected@edef\@currentlabel{%
8087 \csname p@mpfootnote\endcsname\@thefnmark}%
8088 \color@begingroup
8089 \reset@font%
8090 \makefnfntext{%
8091 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8092 \@finalstrut\strutbox}%
8093 \color@endgroup}}
8094 \renewcommand{\mpLTRfootnotetext}[1]{%
8095 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8096 \unvbox\@mpfootins
8097 \def\baselinestretch{\m@m@footnote@spacing}%
8098 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8099 \protected@edef\@currentlabel{%

```



```

8100      \csname p@mpfootnote\endcsname\@thefnmark}%
8101      \color@begingroup
8102      \reset@font%
8103      \@makefnintext{%
8104          \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8105          \@finalstrut\strutbox}%
8106      \color@endgroup}}
8107 \renewcommand{\@mpRTLfootnotetext}[1]{%
8108     \global\setbox\@mpfootins\vbox{\@RTLtrue%
8109         \unvbox\@mpfootins
8110         \def\baselinestretch{\m@m@footnote@spacing}%
8111         \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8112         \protected@edef\@currentlabel{%
8113             \csname p@mpfootnote\endcsname\@thefnmark}%
8114         \color@begingroup
8115         \reset@font%
8116         \@makefnintext{%
8117             \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8118             \@finalstrut\strutbox}%
8119         \color@endgroup}}
8120 \let\m@mold@footnotetext\@footnotetext
8121 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8122 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8123 \let\m@mold@mpfootnotetext\@mpfootnotetext
8124 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8125 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8126 \bidi@ensure@newcommand{\normalfootnotes}{%
8127     \let\@footnotetext\m@mold@footnotetext
8128     \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8129     \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8130     \let\@mpfootnotetext\m@mold@mpfootnotetext
8131     \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8132     \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
8133 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8134 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruer}
8135 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8136 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8137     \def\m@m@singlespace{#1}%
8138     \def\m@m@footnote@spacing{#1}%
8139     \def\m@m@float@spacing{#1} %
8140 }
8141 \setSingleSpace{1}
8142 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8143 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
8144     \kern-\multiplefootnotemarker
8145     \kern\multiplefootnotemarker\relax}
8146 \bidi@ensure@newlength{\footmarkwidth}
8147 \bidi@ensure@newlength{\footmarksep}
8148 \bidi@ensure@newlength{\footparindent}
8149 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}

```



```

8150 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8151 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8152 \bidi@ensure@newcommand{\footfootmark}{%
8153   \ifdim\footmarkwidth < \z@
8154     \llap{\hb@xt@ -\footmarkwidth{%
8155       \hss\normalfont\footscript{\@thefnmark}}}%
8156     \hspace*{-\footmarkwidth}}%
8157   \else
8158     \ifdim\footmarkwidth = \z@
8159       {\normalfont\footscript{\@thefnmark}}%
8160     \else
8161       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8162     \fi
8163   \fi}
8164 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8165   \ifdim\footmarkwidth < \z@
8166     \llap{\hb@xt@ -\footmarkwidth{%
8167       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8168     \hspace*{-\footmarkwidth}}%
8169   \else
8170     \ifdim\footmarkwidth = \z@
8171       {\normalfont\LTRfootscript{\@thefnmark}}%
8172     \else
8173       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8174     \fi
8175   \fi}
8176 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8177   \ifdim\footmarkwidth < \z@
8178     \llap{\hb@xt@ -\footmarkwidth{%
8179       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8180     \hspace*{-\footmarkwidth}}%
8181   \else
8182     \ifdim\footmarkwidth = \z@
8183       {\normalfont\RTLfootscript{\@thefnmark}}%
8184     \else
8185       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8186     \fi
8187   \fi}
8188 \footmarkstyle{\textsuperscript{#1}}
8189 \LTRfootmarkstyle{\textsuperscript{#1}}
8190 \RTLfootmarkstyle{\textsuperscript{#1}}
8191 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8192 \setlength{\footparindent}{1em}
8193 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8194 \bidi@ensure@newcommand*{\extrafeetins}{%
8195   \setbox\@outputbox \vbox{%
8196     \boxmaxdepth \@maxdepth
8197     \unvbox\@outputbox
8198     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8199     \extrafeetinshook}}

```



```

8200 \bidi@ensure@newcommand{\extrafeetinshook}{%
8201 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8202 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8203 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8204 \bidi@ensure@newlength{\footinsdim}
8205 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8206 \bidi@ensure@newcommand{\@preamfntext}{%
8207 \interlinepenalty\interfootnotelinepenalty
8208 \floatingpenalty \@MM
8209 \splittopskip=\footnotesep
8210 \splitmaxdepth=\dp\strutbox
8211 \@parboxrestore}
8212 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8213 \extrafeetminihook}
8214 \bidi@ensure@newcommand{\extrafeetendmini}{%
8215 \ifvoid\@mpfootinsv@r\else
8216 \vskip\skip\@mpfootins
8217 \normalcolor\footnoterule\mp@footgroupv@r
8218 \fi
8219 \extrafeetendminihook}
8220 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8221 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8222 \def\endminipage{%
8223 \par
8224 \unskip
8225 \ifvoid\@mpfootins\else
8226 \vskip\skip\@mpfootins
8227 \normalcolor
8228 \footnoterule
8229 \unvbox\@mpfootins
8230 \fi
8231 \m@mdoextrafeetendmini
8232 \@minipagefalse
8233 \color@endgroup
8234 \egroup
8235 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8236 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8237 \@namedef{footstart#1}{%
8238 \bidi@mopfn@bottom
8239 \vskip\bigskipamount
8240 \leftskip=\z@
8241 \rightskip=\z@
8242 \footnoterule}}
8243 \newinsert\footinsv@r
8244 \skip\footinsv@r\bigskipamount
8245 \count\footinsv@r=1000 % no magnification
8246 \dimen\footinsv@r=\footinsdim
8247 \m@make@footstart{v@r}
8248 \bidi@ensure@newcommand{\@footgroupv@r}{%
8249 \newinsert\@mpfootinsv@r

```



```

8250 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8251 \newcount\m@m@k \newdimen\m@m@h
8252 \@ifpackageloaded{multicol}{%
8253 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8254 \hsize\textwidth
8255 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8256 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8257 }{%
8258 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8259 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8260 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8261 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8262 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8263 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8264 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8265 \setbox2 \vsplit0 to \dimen0
8266 \unvbox2 }
8267 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8268 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8269 \let\@footnotetext\@twocolfootnotetext
8270 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8271 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8272 \dimen\footinsv@r=2\footinsdim
8273 \count\footinsv@r=500\relax
8274 \m@make@twocol@footgroup{v@r}%
8275 \let\@footgroupv@r\@twocol@footgroupv@r
8276 \let\@mpfootnotetext\@mptwocolfootnotetext
8277 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8278 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8279 \m@make@mptwocol@footgroup{v@r}%
8280 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
8281 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTLfootnote\@RTLtrue
8282 \def\baselinestretch{\m@m@footnote@spacing}%
8283 \reset@font\foottextfont
8284 \@preamfntext
8285 \protected@edef\@currentlabel{%
8286 \csname p@footnote\endcsname\@thefnmark}%
8287 \color@begingroup
8288 \@twocolfootfmt{#1}%
8289 \color@endgroup}%
8290 \m@m@mmf@prepare}
8291 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
8292 \def\baselinestretch{\m@m@footnote@spacing}%
8293 \reset@font\LTRfoottextfont
8294 \@preamfntext
8295 \protected@edef\@currentlabel{%
8296 \csname p@footnote\endcsname\@thefnmark}%
8297 \color@begingroup
8298 \@twocolLTRfootfmt{#1}%
8299 \color@endgroup}%

```



```

8300 \m@mmf@prepare}
8301 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8302 \def\baselinestretch{\m@m@footnote@spacing}%
8303 \reset@font\RTLfoottextfont
8304 \@preamfntext
8305 \protected@edef\@currentlabel{%
8306 \csname p@footnote\endcsname\@thefnmark}%
8307 \color@begingroup
8308 \@twocolRTLfootfmt{#1}%
8309 \color@endgroup}%
8310 \m@mmf@prepare}
8311 \bidi@ensure@newcommand{\@preamtwofmt}{%
8312 \hsize .45\hsize
8313 \parindent=\z@
8314 \tolerance=5000\relax
8315 \leavevmode}
8316 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8317 \@preamtwofmt
8318 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8319 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8320 \@preamtwofmt
8321 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8322 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8323 \@preamtwofmt
8324 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8325 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8326 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8327 \unvbox\@mpfootinsv@r
8328 \def\baselinestretch{\m@m@footnote@spacing}%
8329 \reset@font\foottextfont
8330 \hsize\columnwidth \@parboxrestore
8331 \protected@edef\@currentlabel{%
8332 \csname p@mpfootnote\endcsname\@thefnmark}%
8333 \color@begingroup
8334 \@twocolfootfmt{#1}%
8335 \color@endgroup}%
8336 \m@mmf@prepare}
8337 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8338 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8339 \unvbox\@mpfootinsv@r
8340 \def\baselinestretch{\m@m@footnote@spacing}%
8341 \reset@font\LTRfoottextfont
8342 \hsize\columnwidth \@parboxrestore
8343 \if@RTLcolumnfootnotes\beginL\fi
8344 \protected@edef\@currentlabel{%
8345 \csname p@mpfootnote\endcsname\@thefnmark}%
8346 \color@begingroup
8347 \@twocolLTRfootfmt{#1}%
8348 \color@endgroup}%
8349 \m@mmf@prepare}

```



```

8350 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8351   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8352     \unvbox\@mpfootinsv@r
8353     \def\baselinestretch{\m@m@footnote@spacing}%
8354     \reset@font\RTLfoottextfont
8355     \hsize\columnwidth \@parboxrestore
8356     \protected@edef\@currentlabel{%
8357       \csname p@mpfootnote\endcsname\@thefnmark}%
8358     \color@begingroup
8359       \@twocolRTLfootfmt{#1}%
8360     \color@endgroup}%
8361   \m@mmf@prepare}
8362 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8363   \m@make@twocolfootnotetext{#1}%
8364   \m@make@mptwocolfootnotetext{#1}%
8365   \m@make@twocolfootfmt{#1}%
8366   \m@make@twocol@footgroup{#1}%
8367   \m@make@mptwocol@footgroup{#1}%
8368   \m@make@footstart{#1}%
8369   \bidi@namelongdef{\footnotetext#1}##1{%
8370     \nameuse{\twocolfootnotetext#1}{##1}}%
8371   \bidi@namelongdef{\mpfootnotetext#1}##1{%
8372     \nameuse{\mptwocolfootnotetext#1}{##1}}%
8373   \@namedef{\@footgroup#1}{\@nameuse{\twocol@footgroup#1}}%
8374   \@namedef{\mp@footgroup#1}{\@nameuse{\mptwocol@footgroup#1}}%
8375   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8376   \expandafter\count\csname footins#1\endcsname=500\relax}
8377 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8378   \bidi@namelongdef{\twocolfootnotetext#1}##1{%
8379     \insert\@nameuse{footins#1}{%
8380       \def\baselinestretch{\m@m@footnote@spacing}%
8381       \reset@font\@nameuse{foottextfont#1}%
8382       \@preamfntext
8383       \protected@edef\@currentlabel{%
8384         \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
8385       \color@begingroup
8386         \@nameuse{\twocolfootfmt#1}{##1}%
8387       \color@endgroup}%
8388     \m@mmf@prepare}}
8389 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8390   \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
8391     \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8392       \unvbox\@nameuse{\mpfootins#1}
8393       \def\baselinestretch{\m@m@footnote@spacing}%
8394       \reset@font\@nameuse{foottextfont#1}%
8395       \hsize\columnwidth \@parboxrestore
8396       \protected@edef\@currentlabel{%
8397         \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
8398       \color@begingroup
8399         \@nameuse{\twocolfootfmt#1}{##1}%

```



```

8400 \color@endgroup}\m@mmf@prepare}}
8401 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8402 \@namedef{@twocolfootfmt#1}##1{%
8403 \@preamtwofmt
8404 {\@nameuse{footfootmark#1}\strut
8405 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8406 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8407 \@namedef{@twocol@footgroup#1}{%
8408 \def\baselinestretch{\m@m@footnote@spacing}%
8409 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8410 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8411 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8412 \@namedef{@mptwocol@footgroup#1}{%
8413 \def\baselinestretch{\m@m@footnote@spacing}%
8414 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8415 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
8416 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8417 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8418 \let\@footnotetext\@threecolfootnotetext
8419 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8420 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8421 \dimen\footinsv@r=3\footinsdim
8422 \count\footinsv@r=333\relax
8423 \m@make@threecol@footgroup{v@r}%
8424 \let\@footgroupv@r\@threecol@footgroupv@r
8425 \let\@mpfootnotetext\@mpthreecolfootnotetext
8426 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8427 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8428 \m@make@mpthreecol@footgroup{v@r}%
8429 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
8430 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8431 \def\baselinestretch{\m@m@footnote@spacing}%
8432 \reset@font\foottextfont
8433 \@preamfntext
8434 \protected@edef\@currentlabel{%
8435 \csname p@footnote\endcsname\@thefnmark}%
8436 \color@begingroup
8437 \@threecolfootfmt{#1}%
8438 \color@endgroup}\m@mmf@prepare}
8439 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8440 \def\baselinestretch{\m@m@footnote@spacing}%
8441 \reset@font\LTRfoottextfont
8442 \@preamfntext
8443 \protected@edef\@currentlabel{%
8444 \csname p@footnote\endcsname\@thefnmark}%
8445 \color@begingroup
8446 \@threecolLTRfootfmt{#1}%
8447 \color@endgroup}\m@mmf@prepare}
8448 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8449 \def\baselinestretch{\m@m@footnote@spacing}%

```





```

8450 \reset@font\RTLfoottextfont
8451 \@preamfntext
8452 \protected@edef\@currentlabel{%
8453   \csname p@footnote\endcsname\@thefnmark}%
8454 \color@begingroup
8455   \@threecolRTLfootfmt{#1}%
8456 \color@endgroup}\m@mmf@prepare}
8457 \bidi@ensure@newcommand{\@preamthreefmt}{%
8458   \hspace{.3\hspace}
8459   \parindent=\z@
8460   \tolerance=5000\relax
8461   \leavevmode}
8462 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8463   \@preamthreefmt
8464   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8465 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8466   \@preamthreefmt
8467   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8468 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8469   \@preamthreefmt
8470   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8471 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8472   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8473     \unvbox\@mpfootinsv@r
8474     \def\baselinestretch{\m@mm@footnote@spacing}%
8475     \reset@font\foottextfont
8476     \hspace\columnwidth \@parboxrestore
8477     \protected@edef\@currentlabel{%
8478       \csname p@mpfootnote\endcsname\@thefnmark}%
8479     \color@begingroup
8480       \@threecolfootfmt{#1}%
8481     \color@endgroup}\m@mmf@prepare}
8482 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8483   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8484     \unvbox\@mpfootinsv@r
8485     \def\baselinestretch{\m@mm@footnote@spacing}%
8486     \reset@font\LTRfoottextfont
8487     \hspace\columnwidth \@parboxrestore
8488     \if@RTLcolumnfootnotes\beginL\fi
8489     \protected@edef\@currentlabel{%
8490       \csname p@mpfootnote\endcsname\@thefnmark}%
8491     \color@begingroup
8492       \@threecolLTRfootfmt{#1}%
8493     \color@endgroup}\m@mmf@prepare}
8494 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8495   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8496     \unvbox\@mpfootinsv@r
8497     \def\baselinestretch{\m@mm@footnote@spacing}%
8498     \reset@font\RTLfoottextfont
8499     \hspace\columnwidth \@parboxrestore

```



```

8500 \protected@edef\@currentlabel{%
8501 \csname p@mpfootnote\endcsname\@thefnmark}%
8502 \color@begingroup
8503 \@threecolRTLfootfmt{#1}%
8504 \color@endgroup}\m@mmf@prepare}
8505 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8506 \m@make@threecolfootnotetext{#1}%
8507 \m@make@mpthreecolfootnotetext{#1}%
8508 \m@make@threecolfootfmt{#1}%
8509 \m@make@threecol@footgroup{#1}%
8510 \m@make@mpthreecol@footgroup{#1}%
8511 \m@make@footstart{#1}%
8512 \bidi@namelongdef{\footnotetext#1}##1{%
8513 \nameuse{\threecolfootnotetext#1}{##1}%
8514 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8515 \nameuse{\mpthreecolfootnotetext#1}{##1}%
8516 \namedef{\footgroup#1}{\nameuse{\threecol@footgroup#1}}%
8517 \namedef{\mp@footgroup#1}{\nameuse{\mpthreecol@footgroup#1}}%
8518 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8519 \expandafter\count\csname footins#1\endcsname=333\relax}
8520 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8521 \bidi@namelongdef{\threecolfootnotetext#1}##1{%
8522 \insert\@nameuse{footins#1}{%
8523 \def\baselinestretch{\m@m@footnote@spacing}%
8524 \reset@font\@nameuse{foottextfont#1}%
8525 \@preamfntext
8526 \protected@edef\@currentlabel{%
8527 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
8528 \color@begingroup
8529 \@nameuse{\threecolfootfmt#1}{##1}%
8530 \color@endgroup}\m@mmf@prepare}}
8531 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8532 \bidi@namelongdef{\mpthreecolfootnotetext#1}##1{%
8533 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8534 \unvbox\@nameuse{\mpfootins#1}
8535 \def\baselinestretch{\m@m@footnote@spacing}%
8536 \reset@font\@nameuse{foottextfont#1}%
8537 \hsize\columnwidth \@parboxrestore
8538 \protected@edef\@currentlabel{%
8539 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
8540 \color@begingroup
8541 \@nameuse{\threecolfootfmt#1}{##1}%
8542 \color@endgroup}\m@mmf@prepare}}
8543 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8544 \bidi@namelongdef{\threecolfootfmt#1}##1{%
8545 \@preamthreefmt
8546 {\@nameuse{footfootmark#1}\strut
8547 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8548 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8549 \namedef{\threecol@footgroup#1}{%

```



```

8550 \def\baselinestretch{\m@m@footnote@spacing}%
8551 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8552 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
8553 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8554 \@namedef{@mpthreecol@footgroup#1}{%
8555 \def\baselinestretch{\m@m@footnote@spacing}%
8556 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8557 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
8558 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8559 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8560 \let\@footnotetext\@fourcolfootnotetext
8561 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8562 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8563 \dimen\footinsv@r=4\footinsdim
8564 \count\footinsv@r=250\relax
8565 \m@make@fourcol@footgroup{v@r}%
8566 \let\@footgroupv@r\@fourcol@footgroupv@r
8567 \let\@mpfootnotetext\@mpfourcolfootnotetext
8568 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8569 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8570 \m@make@mpfourcol@footgroup{v@r}%
8571 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8572 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8573 \def\baselinestretch{\m@m@footnote@spacing}%
8574 \reset@font\foottextfont
8575 \@preamfntext
8576 \protected@edef\@currentlabel{%
8577 \csname p@footnote\endcsname\@thefnmark}%
8578 \color@begingroup
8579 \@fourcolfootfmt{#1}%
8580 \color@endgroup}%
8581 \m@mmf@prepare}
8582 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8583 \def\baselinestretch{\m@m@footnote@spacing}%
8584 \reset@font\LTRfoottextfont
8585 \@preamfntext
8586 \protected@edef\@currentlabel{%
8587 \csname p@footnote\endcsname\@thefnmark}%
8588 \color@begingroup
8589 \@fourcolLTRfootfmt{#1}%
8590 \color@endgroup}%
8591 \m@mmf@prepare}
8592 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8593 \def\baselinestretch{\m@m@footnote@spacing}%
8594 \reset@font\RTLfoottextfont
8595 \@preamfntext
8596 \protected@edef\@currentlabel{%
8597 \csname p@footnote\endcsname\@thefnmark}%
8598 \color@begingroup
8599 \@fourcolRTLfootfmt{#1}%

```



```

8600 \color@endgroup}%
8601 \m@mmf@prepare}
8602 \bidi@ensure@newcommand{\@preamfourfmt}{%
8603 \hspace .25\hspace
8604 \parindent=\z@
8605 \tolerance=5000\relax
8606 \leavevmode}
8607 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8608 \@preamfourfmt
8609 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8610 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8611 \@preamfourfmt
8612 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8613 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8614 \@preamfourfmt
8615 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8616 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8617 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8618 \unvbox\@mpfootinsv@r
8619 \def\baselinestretch{\m@m@footnote@spacing}%
8620 \reset@font\foottextfont
8621 \hspace\columnwidth \@parboxrestore
8622 \protected@edef\@currentlabel{%
8623 \csname p@mpfootnote\endcsname\@thefnmark}%
8624 \color@begingroup
8625 \@fourcolfootfmt{#1}%
8626 \color@endgroup}%
8627 \m@mmf@prepare}
8628 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8629 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8630 \unvbox\@mpfootinsv@r
8631 \def\baselinestretch{\m@m@footnote@spacing}%
8632 \reset@font\LTRfoottextfont
8633 \hspace\columnwidth \@parboxrestore
8634 \if@RTLcolumnfootnotes\beginL\fi
8635 \protected@edef\@currentlabel{%
8636 \csname p@mpfootnote\endcsname\@thefnmark}%
8637 \color@begingroup
8638 \@fourcolLTRfootfmt{#1}%
8639 \color@endgroup}%
8640 \m@mmf@prepare}
8641 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8642 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8643 \unvbox\@mpfootinsv@r
8644 \def\baselinestretch{\m@m@footnote@spacing}%
8645 \reset@font\RTLfoottextfont
8646 \hspace\columnwidth \@parboxrestore
8647 \protected@edef\@currentlabel{%
8648 \csname p@mpfootnote\endcsname\@thefnmark}%
8649 \color@begingroup

```



```

8650 \fourcolRTLfootfmt{#1}%
8651 \color@endgroup}%
8652 \m@mmf@prepare}
8653 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8654 \m@make@fourcolfootnotetext{#1}%
8655 \m@make@mpfourcolfootnotetext{#1}%
8656 \m@make@fourcolfootfmt{#1}%
8657 \m@make@fourcol@footgroup{#1}%
8658 \m@make@mpfourcol@footgroup{#1}%
8659 \m@make@footstart{#1}%
8660 \bidi@namelongdef{@footnotetext#1}##1{%
8661 \nameuse{@fourcolfootnotetext#1}##1}%
8662 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8663 \nameuse{@mpfourcolfootnotetext#1}##1}%
8664 \namedef{@footgroup#1}{\nameuse{@fourcol@footgroup#1}}%
8665 \namedef{@mp@footgroup#1}{\nameuse{@mpfourcol@footgroup#1}}%
8666 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8667 \expandafter\count\csname footins#1\endcsname=500\relax}
8668 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8669 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
8670 \insert\@nameuse{footins#1}{%
8671 \def\baselinestretch{\m@m@footnote@spacing}%
8672 \reset@font\@nameuse{foottextfont#1}%
8673 \@preamfntext
8674 \protected@edef\@currentlabel{%
8675 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8676 \color@begingroup
8677 \@nameuse{@fourcolfootfmt#1}##1}%
8678 \color@endgroup}%
8679 \m@mmf@prepare}}
8680 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8681 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8682 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8683 \unvbox\@nameuse{@mpfootins#1}
8684 \def\baselinestretch{\m@m@footnote@spacing}%
8685 \reset@font\@nameuse{foottextfont#1}%
8686 \hsize\columnwidth \@parboxrestore
8687 \protected@edef\@currentlabel{%
8688 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8689 \color@begingroup
8690 \@nameuse{@fourcolfootfmt#1}##1}%
8691 \color@endgroup}\m@mmf@prepare}}
8692 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8693 \namedef{@fourcolfootfmt#1}##1{%
8694 \@preamfourfmt
8695 {\@nameuse{footfootmark#1}\strut
8696 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8697 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8698 \namedef{@fourcol@footgroup#1}{%
8699 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8700 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8701 \m@r rigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
8702 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8703 \namedef{@mpfourcol@footgroup#1}{%
8704 \def\baselinestretch{\m@m@footnote@spacing}%
8705 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8706 \m@r rigidbalance{\nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
8707 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8708 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8709 \let\@footnotetext\@fivecolfootnotetext
8710 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8711 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8712 \dimen\footinsv@r=5\footinsdim
8713 \count\footinsv@r=200\relax
8714 \m@make@fivecol@footgroup{v@r}%
8715 \let\@footgroupv@r\@fivecol@footgroupv@r
8716 \let\@mpfootnotetext\@mpfivecolfootnotetext
8717 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8718 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8719 \m@make@mpfivecol@footgroup{v@r}%
8720 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8721 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8722 \def\baselinestretch{\m@m@footnote@spacing}%
8723 \reset@font\foottextfont
8724 \@preamfntext
8725 \protected@edef\@currentlabel{%
8726 \csname p@footnote\endcsname\@thefnmark}%
8727 \color@begingroup
8728 \@fivecolfootfmt{#1}%
8729 \color@endgroup}%
8730 \m@mmf@prepare}
8731 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8732 \def\baselinestretch{\m@m@footnote@spacing}%
8733 \reset@font\LTRfoottextfont
8734 \@preamfntext
8735 \protected@edef\@currentlabel{%
8736 \csname p@footnote\endcsname\@thefnmark}%
8737 \color@begingroup
8738 \@fivecolLTRfootfmt{#1}%
8739 \color@endgroup}%
8740 \m@mmf@prepare}
8741 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8742 \def\baselinestretch{\m@m@footnote@spacing}%
8743 \reset@font\RTLfoottextfont
8744 \@preamfntext
8745 \protected@edef\@currentlabel{%
8746 \csname p@footnote\endcsname\@thefnmark}%
8747 \color@begingroup
8748 \@fivecolRTLfootfmt{#1}%
8749 \color@endgroup}%

```



```

8750 \m@mmf@prepare}
8751 \bidi@ensure@newcommand{\@preamfivefmt}{%
8752 \hsize .2\hsize
8753 \parindent=\z@
8754 \tolerance=5000\relax
8755 \leavevmode}
8756 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8757 \@preamfivefmt
8758 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8759 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8760 \@preamfivefmt
8761 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8762 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8763 \@preamfivefmt
8764 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8765 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8766 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8767 \unvbox\@mpfootinsv@r
8768 \def\baselinestretch{\m@m@footnote@spacing}%
8769 \reset@font\foottextfont
8770 \hsize\columnwidth \@parboxrestore
8771 \protected@edef\@currentlabel{%
8772 \csname p@mpfootnote\endcsname\@thefnmark}%
8773 \color@begingroup
8774 \@fivecolfootfmt{#1}%
8775 \color@endgroup}%
8776 \m@mmf@prepare}
8777 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8778 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8779 \unvbox\@mpfootinsv@r
8780 \def\baselinestretch{\m@m@footnote@spacing}%
8781 \reset@font\LTRfoottextfont
8782 \hsize\columnwidth \@parboxrestore
8783 \if@RTLcolumnfootnotes\beginL\fi
8784 \protected@edef\@currentlabel{%
8785 \csname p@mpfootnote\endcsname\@thefnmark}%
8786 \color@begingroup
8787 \@fivecolLTRfootfmt{#1}%
8788 \color@endgroup}%
8789 \m@mmf@prepare}
8790 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8791 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8792 \unvbox\@mpfootinsv@r
8793 \def\baselinestretch{\m@m@footnote@spacing}%
8794 \reset@font\RTLfoottextfont
8795 \hsize\columnwidth \@parboxrestore
8796 \protected@edef\@currentlabel{%
8797 \csname p@mpfootnote\endcsname\@thefnmark}%
8798 \color@begingroup
8799 \@fivecolRTLfootfmt{#1}%

```



```

8800 \color@endgroup}%
8801 \m@mmf@prepare}
8802 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8803 \m@make@fivecolfootnotetext{#1}%
8804 \m@make@mpfivecolfootnotetext{#1}%
8805 \m@make@fivecolfootfmt{#1}%
8806 \m@make@fivecol@footgroup{#1}%
8807 \m@make@mpfivecol@footgroup{#1}%
8808 \m@make@footstart{#1}%
8809 \bidi@namelongdef{@footnotetext#1}##1{%
8810 \nameuse{@fivecolfootnotetext#1}##1}%
8811 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8812 \nameuse{@mpfivecolfootnotetext#1}##1}%
8813 \@namedef{@footgroup#1}{\nameuse{@fivecol@footgroup#1}}%
8814 \@namedef{mp@footgroup#1}{\nameuse{@mpfivecol@footgroup#1}}%
8815 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8816 \expandafter\count\csname footins#1\endcsname=500\relax}
8817 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8818 \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
8819 \insert\nameuse{footins#1}{%
8820 \def\baselinestretch{\m@m@footnote@spacing}%
8821 \reset@font\nameuse{foottextfont#1}%
8822 \@preamfntext
8823 \protected@edef\@currentlabel{%
8824 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8825 \color@begingroup
8826 \nameuse{@fivecolfootfmt#1}##1}%
8827 \color@endgroup}%
8828 \m@mmf@prepare}}
8829 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8830 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8831 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8832 \unvbox\nameuse{@mpfootins#1}
8833 \def\baselinestretch{\m@m@footnote@spacing}%
8834 \reset@font\nameuse{foottextfont#1}%
8835 \hsize\columnwidth \@parboxrestore
8836 \protected@edef\@currentlabel{%
8837 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8838 \color@begingroup
8839 \nameuse{@fivecolfootfmt#1}##1}%
8840 \color@endgroup}\m@mmf@prepare}}
8841 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8842 \@namedef{@fivecolfootfmt#1}##1{%
8843 \@preamfivefmt
8844 {\nameuse{footfootmark#1}\strut
8845 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8846 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8847 \@namedef{@fivecol@footgroup#1}{%
8848 \def\baselinestretch{\m@m@footnote@spacing}%
8849 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```





```

8850 \m@rigrigidbodybalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8851 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8852 \@namedef{@mpfivecol@footgroup#1}{%
8853 \def\baselinestretch{\m@m@footnote@spacing}%
8854 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8855 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
8856 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8857 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8858 \let\@footnotetext\@sixcolfootnotetext
8859 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8860 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8861 \dimen\footinsv@r=6\footinsdim
8862 \count\footinsv@r=166\relax
8863 \m@make@sixcol@footgroup{v@r}%
8864 \let\@footgroupv@r\@sixcol@footgroupv@r
8865 \let\@mpfootnotetext\@mpsixcolfootnotetext
8866 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8867 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8868 \m@make@mpsixcol@footgroup{v@r}%
8869 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
8870 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8871 \def\baselinestretch{\m@m@footnote@spacing}%
8872 \reset@font\foottextfont
8873 \@preamfntext
8874 \protected@edef\@currentlabel{%
8875 \csname p@footnote\endcsname\@thefnmark}%
8876 \color@begingroup
8877 \@sixcolfootfmt{#1}%
8878 \color@endgroup}%
8879 \m@mmf@prepare}
8880 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8881 \def\baselinestretch{\m@m@footnote@spacing}%
8882 \reset@font\LTRfoottextfont
8883 \@preamfntext
8884 \protected@edef\@currentlabel{%
8885 \csname p@footnote\endcsname\@thefnmark}%
8886 \color@begingroup
8887 \@sixcolLTRfootfmt{#1}%
8888 \color@endgroup}%
8889 \m@mmf@prepare}
8890 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8891 \def\baselinestretch{\m@m@footnote@spacing}%
8892 \reset@font\RTLfoottextfont
8893 \@preamfntext
8894 \protected@edef\@currentlabel{%
8895 \csname p@footnote\endcsname\@thefnmark}%
8896 \color@begingroup
8897 \@sixcolRTLfootfmt{#1}%
8898 \color@endgroup}%
8899 \m@mmf@prepare}

```



```

8900 \bidi@ensure@newcommand{\@preamsixfmt}{%
8901   \hsize .16\hsize
8902   \parindent=\z@
8903   \tolerance=5000\relax
8904   \leavevmode}
8905 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8906   \@preamsixfmt
8907   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8908 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8909   \@preamsixfmt
8910   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8911 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8912   \@preamsixfmt
8913   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8914 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\if
8915   \global\setbox\@mpfootinsv@r\vbox{%
8916     \unvbox\@mpfootinsv@r
8917     \def\baselinestretch{\m@m@footnote@spacing}%
8918     \reset@font\foottextfont
8919     \hsize\columnwidth \@parboxrestore
8920     \protected@edef\@currentlabel{%
8921       \csname p@mpfootnote\endcsname\@thefnmark}%
8922     \color@begingroup
8923       \@sixcolfootfmt{#1}%
8924     \color@endgroup}%
8925   \m@mmf@prepare}
8926 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8927   \global\setbox\@mpfootinsv@r\vbox{%
8928     \unvbox\@mpfootinsv@r
8929     \def\baselinestretch{\m@m@footnote@spacing}%
8930     \reset@font\LTRfoottextfont
8931     \hsize\columnwidth \@parboxrestore
8932     \if@RTLcolumnfootnotes\beginL\fi
8933     \protected@edef\@currentlabel{%
8934       \csname p@mpfootnote\endcsname\@thefnmark}%
8935     \color@begingroup
8936       \@sixcolLTRfootfmt{#1}%
8937     \color@endgroup}%
8938   \m@mmf@prepare}
8939 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8940   \global\setbox\@mpfootinsv@r\vbox{%
8941     \unvbox\@mpfootinsv@r
8942     \def\baselinestretch{\m@m@footnote@spacing}%
8943     \reset@font\RTLfoottextfont
8944     \hsize\columnwidth \@parboxrestore
8945     \protected@edef\@currentlabel{%
8946       \csname p@mpfootnote\endcsname\@thefnmark}%
8947     \color@begingroup
8948       \@sixcolRTLfootfmt{#1}%
8949     \color@endgroup}%

```



```

8950 \m@mmf@prepare}
8951 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8952 \m@make@sixcolfootnotetext{#1}%
8953 \m@make@mpsixcolfootnotetext{#1}%
8954 \m@make@sixcolfootfmt{#1}%
8955 \m@make@sixcol@footgroup{#1}%
8956 \m@make@mpsixcol@footgroup{#1}%
8957 \m@make@footstart{#1}%
8958 \bidi@namelongdef{\footnotetext#1}##1{%
8959 \nameuse{@sixcolfootnotetext#1}{##1}}%
8960 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8961 \nameuse{@mpsixcolfootnotetext#1}{##1}}%
8962 \@namedef{\footgroup#1}{\nameuse{@sixcol@footgroup#1}}%
8963 \@namedef{\mp@footgroup#1}{\nameuse{@mpsixcol@footgroup#1}}%
8964 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8965 \expandafter\count\csname footins#1\endcsname=500\relax}
8966 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
8967 \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
8968 \insert\nameuse{footins#1}{%
8969 \def\baselinestretch{\m@m@footnote@spacing}%
8970 \reset@font\nameuse{foottextfont#1}%
8971 \@preamfntext
8972 \protected@edef\@currentlabel{%
8973 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8974 \color@begingroup
8975 \nameuse{@sixcolfootfmt#1}{##1}%
8976 \color@endgroup}%
8977 \m@mmf@prepare}}
8978 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8979 \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
8980 \global\setbox\nameuse{\mpfootins#1}\vbox{%
8981 \unvbox\nameuse{\mpfootins#1}
8982 \def\baselinestretch{\m@m@footnote@spacing}%
8983 \reset@font\nameuse{foottextfont#1}%
8984 \hsize\columnwidth \parboxrestore
8985 \protected@edef\@currentlabel{%
8986 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8987 \color@begingroup
8988 \nameuse{@sixcolfootfmt#1}{##1}%
8989 \color@endgroup}\m@mmf@prepare}}
8990 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8991 \@namedef{@sixcolfootfmt#1}##1{%
8992 \@preamsixfmt
8993 {\nameuse{footfootmark#1}\strut
8994 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8995 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8996 \@namedef{@sixcol@footgroup#1}{%
8997 \def\baselinestretch{\m@m@footnote@spacing}%
8998 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8999 \m@mrigrigidbody{\nameuse{footins#1}{6}{\splittopskip}}}}

```



```

9000 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9001 \@namedef{@mpsixcol@footgroup#1}{%
9002 \def\baselinestretch{\m@m@footnote@spacing}%
9003 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9004 \m@mrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}%
9005 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9006 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9007 \let\@footnotetext\@sevendcolfootnotetext
9008 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9009 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9010 \dimen\footinsv@r=7\footinsdim
9011 \count\footinsv@r=142\relax
9012 \m@make@sevendcol@footgroup{v@r}%
9013 \let\@footgroupv@r\@sevendcol@footgroupv@r
9014 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9015 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9016 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9017 \m@make@mpsevendcol@footgroup{v@r}%
9018 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9019 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9020 \def\baselinestretch{\m@m@footnote@spacing}%
9021 \reset@font\foottextfont
9022 \@preamfntext
9023 \protected@edef\@currentlabel{%
9024 \csname p@footnote\endcsname\@thefnmark}%
9025 \color@begingroup
9026 \@sevendcolfootfmt{#1}%
9027 \color@endgroup}%
9028 \m@mmf@prepare}
9029 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9030 \def\baselinestretch{\m@m@footnote@spacing}%
9031 \reset@font\LTRfoottextfont
9032 \@preamfntext
9033 \protected@edef\@currentlabel{%
9034 \csname p@footnote\endcsname\@thefnmark}%
9035 \color@begingroup
9036 \@sevendcolLTRfootfmt{#1}%
9037 \color@endgroup}%
9038 \m@mmf@prepare}
9039 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9040 \def\baselinestretch{\m@m@footnote@spacing}%
9041 \reset@font\RTLfoottextfont
9042 \@preamfntext
9043 \protected@edef\@currentlabel{%
9044 \csname p@footnote\endcsname\@thefnmark}%
9045 \color@begingroup
9046 \@sevendcolRTLfootfmt{#1}%
9047 \color@endgroup}%
9048 \m@mmf@prepare}
9049 \bidi@ensure@newcommand{\@preamsevenfmt}{%

```



```

9050 \hsize .142\hsize
9051 \parindent=\z@
9052 \tolerance=5000\relax
9053 \leavevmode}
9054 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
9055 \@preamsevenfmt
9056 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9057 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
9058 \@preamsevenfmt
9059 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9060 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
9061 \@preamsevenfmt
9062 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9063 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9064 \global\setbox\@mpfootinsv@r\vbox{%
9065 \unvbox\@mpfootinsv@r
9066 \def\baselinestretch{\m@m@footnote@spacing}%
9067 \reset@font\foottextfont
9068 \hsize\columnwidth \@parboxrestore
9069 \protected@edef\@currentlabel{%
9070 \csname p@mpfootnote\endcsname\@thefnmark}%
9071 \color@begingroup
9072 \@sevendcolfootfmt{#1}%
9073 \color@endgroup}%
9074 \m@mmf@prepare}
9075 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
9076 \global\setbox\@mpfootinsv@r\vbox{%
9077 \unvbox\@mpfootinsv@r
9078 \def\baselinestretch{\m@m@footnote@spacing}%
9079 \reset@font\LTRfoottextfont
9080 \hsize\columnwidth \@parboxrestore
9081 \if@RTLcolumnfootnotes\beginL\fi
9082 \protected@edef\@currentlabel{%
9083 \csname p@mpfootnote\endcsname\@thefnmark}%
9084 \color@begingroup
9085 \@sevendcolLTRfootfmt{#1}%
9086 \color@endgroup}%
9087 \m@mmf@prepare}
9088 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
9089 \global\setbox\@mpfootinsv@r\vbox{%
9090 \unvbox\@mpfootinsv@r
9091 \def\baselinestretch{\m@m@footnote@spacing}%
9092 \reset@font\RTLfoottextfont
9093 \hsize\columnwidth \@parboxrestore
9094 \protected@edef\@currentlabel{%
9095 \csname p@mpfootnote\endcsname\@thefnmark}%
9096 \color@begingroup
9097 \@sevendcolRTLfootfmt{#1}%
9098 \color@endgroup}%
9099 \m@mmf@prepare}

```



```

g100 \bidi@ensure@newcommand{\sevendcolumnfootstyle}[1]{%
g101   \m@make@sevendcolfootnotetext{#1}%
g102   \m@make@mpsevendcolfootnotetext{#1}%
g103   \m@make@sevendcolfootfmt{#1}%
g104   \m@make@sevendcol@footgroup{#1}%
g105   \m@make@mpsevendcol@footgroup{#1}%
g106   \m@make@footstart{#1}%
g107   \bidi@namelongdef{@footnotetext#1}##1{%
g108     \@nameuse{@sevendcolfootnotetext#1}{##1}}%
g109   \bidi@namelongdef{@mpfootnotetext#1}##1{%
g110     \@nameuse{@mpsevendcolfootnotetext#1}{##1}}%
g111   \@namedef{@footgroup#1}{\@nameuse{@sevendcol@footgroup#1}}%
g112   \@namedef{@mp@footgroup#1}{\@nameuse{@mpsevendcol@footgroup#1}}%
g113   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
g114   \expandafter\count\csname footins#1\endcsname=500\relax
g115 \bidi@ensure@newcommand{\m@make@sevendcolfootnotetext}[1]{%
g116   \bidi@namelongdef{@sevendcolfootnotetext#1}##1{%
g117     \insert\@nameuse{footins#1}{%
g118       \def\baselinestretch{\m@m@footnote@spacing}%
g119       \reset@font\@nameuse{foottextfont#1}%
g120       \@preamfntext
g121       \protected@edef\@currentlabel{%
g122         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
g123       \color@begingroup
g124         \@nameuse{@sevendcolfootfmt#1}{##1}%
g125       \color@endgroup}%
g126       \m@mmf@prepare}}
g127 \bidi@ensure@newcommand{\m@make@mpsevendcolfootnotetext}[1]{%
g128   \bidi@namelongdef{@mpsevendcolfootnotetext#1}##1{%
g129     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
g130       \unvbox\@nameuse{@mpfootins#1}
g131       \def\baselinestretch{\m@m@footnote@spacing}%
g132       \reset@font\@nameuse{foottextfont#1}%
g133       \hsize\columnwidth \@parboxrestore
g134       \protected@edef\@currentlabel{%
g135         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
g136       \color@begingroup
g137         \@nameuse{@sevendcolfootfmt#1}{##1}%
g138       \color@endgroup}\m@mmf@prepare}}
g139 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
g140   \@namedef{@sevendcolfootfmt#1}##1{%
g141     \@preamsevenfmt
g142     {\@nameuse{footfootmark#1}\strut
g143       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
g144 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
g145   \@namedef{@sevendcol@footgroup#1}{%
g146     \def\baselinestretch{\m@m@footnote@spacing}%
g147     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g148     \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
g149 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%

```



```

9150 \@namedef{@mpsevenscol@footgroup#1}{%
9151   \def\baselinestretch{\m@m@footnote@spacing}%
9152   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9153   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
9154 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9155   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9156   \let\@footnotetext\@eightcolfootnotetext
9157   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9158   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9159   \dimen\footinsv@r=8\footinsdim
9160   \count\footinsv@r=125\relax
9161   \m@make@eightcol@footgroup{v@r}%
9162   \let\@footgroupv@r\@eightcol@footgroupv@r
9163   \let\@mpfootnotetext\@mpeightcolfootnotetext
9164   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9165   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9166   \m@make@mpeightcol@footgroup{v@r}%
9167   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9168 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9169   \def\baselinestretch{\m@m@footnote@spacing}%
9170   \reset@font\foottextfont
9171   \@preamfntext
9172   \protected@edef\@currentlabel{%
9173     \csname p@footnote\endcsname\@thefnmark}%
9174   \color@begingroup
9175     \@eightcolfootfmt{#1}%
9176   \color@endgroup}%
9177   \m@mmf@prepare}
9178 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9179   \def\baselinestretch{\m@m@footnote@spacing}%
9180   \reset@font\LTRfoottextfont
9181   \@preamfntext
9182   \protected@edef\@currentlabel{%
9183     \csname p@footnote\endcsname\@thefnmark}%
9184   \color@begingroup
9185     \@eightcolLTRfootfmt{#1}%
9186   \color@endgroup}%
9187   \m@mmf@prepare}
9188 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9189   \def\baselinestretch{\m@m@footnote@spacing}%
9190   \reset@font\RTLfoottextfont
9191   \@preamfntext
9192   \protected@edef\@currentlabel{%
9193     \csname p@footnote\endcsname\@thefnmark}%
9194   \color@begingroup
9195     \@eightcolRTLfootfmt{#1}%
9196   \color@endgroup}%
9197   \m@mmf@prepare}
9198 \bidi@ensure@newcommand{\@preameightfmt}{%
9199   \hspace{.125\hspace}

```



```

9200 \parindent=\z@
9201 \tolerance=5000\relax
9202 \leavevmode}
9203 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9204 \@preameightfmt
9205 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9206 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9207 \@preameightfmt
9208 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9209 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9210 \@preameightfmt
9211 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9212 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9213 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9214 \unvbox\@mpfootinsv@r
9215 \def\baselinestretch{\m@m@footnote@spacing}%
9216 \reset@font\foottextfont
9217 \hsize\columnwidth \@parboxrestore
9218 \protected@edef\@currentlabel{%
9219 \csname p@mpfootnote\endcsname\@thefnmark}%
9220 \color@begingroup
9221 \@eightcolfootfmt{#1}%
9222 \color@endgroup}%
9223 \m@m@mmf@prepare}
9224 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9225 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9226 \unvbox\@mpfootinsv@r
9227 \def\baselinestretch{\m@m@footnote@spacing}%
9228 \reset@font\LTRfoottextfont
9229 \hsize\columnwidth \@parboxrestore
9230 \if@RTLcolumnfootnotes\beginL\fi
9231 \protected@edef\@currentlabel{%
9232 \csname p@mpfootnote\endcsname\@thefnmark}%
9233 \color@begingroup
9234 \@eightcolLTRfootfmt{#1}%
9235 \color@endgroup}%
9236 \m@m@mmf@prepare}
9237 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9238 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9239 \unvbox\@mpfootinsv@r
9240 \def\baselinestretch{\m@m@footnote@spacing}%
9241 \reset@font\RTLfoottextfont
9242 \hsize\columnwidth \@parboxrestore
9243 \protected@edef\@currentlabel{%
9244 \csname p@mpfootnote\endcsname\@thefnmark}%
9245 \color@begingroup
9246 \@eightcolRTLfootfmt{#1}%
9247 \color@endgroup}%
9248 \m@m@mmf@prepare}
9249 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%

```





```

9250 \m@make@eightcolfootnotetext{#1}%
9251 \m@make@mp@eightcolfootnotetext{#1}%
9252 \m@make@eightcolfootfmt{#1}%
9253 \m@make@eightcol@footgroup{#1}%
9254 \m@make@mp@eightcol@footgroup{#1}%
9255 \m@make@footstart{#1}%
9256 \bidi@namelongdef{@footnotetext#1}##1{%
9257   \@nameuse{@eightcolfootnotetext#1}{##1}}%
9258 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9259   \@nameuse{@mp@eightcolfootnotetext#1}{##1}}%
9260 \@namedef{@footgroup#1}{\@nameuse{@eightcol@footgroup#1}}%
9261 \@namedef{@mp@footgroup#1}{\@nameuse{@mp@eightcol@footgroup#1}}%
9262 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9263 \expandafter\count\csname footins#1\endcsname=500\relax}
9264 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9265   \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
9266     \insert\@nameuse{footins#1}{%
9267       \def\baselinestretch{\m@m@footnote@spacing}%
9268       \reset@font\@nameuse{foottextfont#1}%
9269       \@preamfntext
9270       \protected@edef\@currentlabel{%
9271         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9272       \color@begingroup
9273         \@nameuse{@eightcolfootfmt#1}{##1}%
9274       \color@endgroup}%
9275     \m@m@mmf@prepare}}
9276 \bidi@ensure@newcommand{\m@make@mp@eightcolfootnotetext}[1]{%
9277   \bidi@namelongdef{@mp@eightcolfootnotetext#1}##1{%
9278     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9279       \unvbox\@nameuse{@mpfootins#1}
9280       \def\baselinestretch{\m@m@footnote@spacing}%
9281       \reset@font\@nameuse{foottextfont#1}%
9282       \hsize\columnwidth \@parboxrestore
9283       \protected@edef\@currentlabel{%
9284         \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9285       \color@begingroup
9286         \@nameuse{@eightcolfootfmt#1}{##1}%
9287       \color@endgroup}\m@m@mmf@prepare}}
9288 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9289   \@namedef{@eightcolfootfmt#1}##1{%
9290     \@preameightfmt
9291     {\@nameuse{footfootmark#1}\strut
9292      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9293 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9294   \@namedef{@eightcol@footgroup#1}{%
9295     \def\baselinestretch{\m@m@footnote@spacing}%
9296     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9297     \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9298 \bidi@ensure@newcommand{\m@make@mp@eightcol@footgroup}[1]{%
9299   \@namedef{@mp@eightcol@footgroup#1}{%

```



```

9300 \def\baselinestretch{\m@m@footnote@spacing}%
9301 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9302 \m@mrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
9303 \bidi@ensure@newcommand{\necolumnfootnotes}{%
9304 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9305 \let\@footnotetext\@necolfootnotetext
9306 \let\@LTRfootnotetext\@necolLTRfootnotetext
9307 \let\@RTLfootnotetext\@necolRTLfootnotetext
9308 \dimen\footinsv@r=9\footinsdim
9309 \count\footinsv@r=111\relax
9310 \m@make@necol@footgroup{v@r}%
9311 \let\@footgroupv@r\@necol@footgroupv@r
9312 \let\@mpfootnotetext\@mpnecolfootnotetext
9313 \let\@mpLTRfootnotetext\@mpnecolLTRfootnotetext
9314 \let\@mpRTLfootnotetext\@mpnecolRTLfootnotetext
9315 \m@make@mpnecol@footgroup{v@r}%
9316 \let\mp@footgroupv@r\@mpnecol@footgroupv@r}
9317 \bidi@ensure@newcommand{\@necolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9318 \def\baselinestretch{\m@m@footnote@spacing}%
9319 \reset@font\foottextfont
9320 \@preamfntext
9321 \protected@edef\@currentlabel{%
9322 \csname p@footnote\endcsname\@thefnmark}%
9323 \color@begingroup
9324 \@necolfootfmt{#1}%
9325 \color@endgroup}%
9326 \m@mmf@prepare}
9327 \bidi@ensure@newcommand{\@necolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9328 \def\baselinestretch{\m@m@footnote@spacing}%
9329 \reset@font\LTRfoottextfont
9330 \@preamfntext
9331 \protected@edef\@currentlabel{%
9332 \csname p@footnote\endcsname\@thefnmark}%
9333 \color@begingroup
9334 \@necolLTRfootfmt{#1}%
9335 \color@endgroup}%
9336 \m@mmf@prepare}
9337 \bidi@ensure@newcommand{\@necolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9338 \def\baselinestretch{\m@m@footnote@spacing}%
9339 \reset@font\RTLfoottextfont
9340 \@preamfntext
9341 \protected@edef\@currentlabel{%
9342 \csname p@footnote\endcsname\@thefnmark}%
9343 \color@begingroup
9344 \@necolRTLfootfmt{#1}%
9345 \color@endgroup}%
9346 \m@mmf@prepare}
9347 \bidi@ensure@newcommand{\@preamninefmt}{%
9348 \hspace .1\hspace
9349 \parindent=\z@

```



```

9350 \tolerance=5000\relax
9351 \leavevmode}
9352 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9353 \@preamninefmt
9354 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9355 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9356 \@preamninefmt
9357 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9358 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9359 \@preamninefmt
9360 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9361 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9362 \global\setbox\@mpfootinsv\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9363 \unvbox\@mpfootinsv\@r
9364 \def\baselinestretch{\m@m@footnote@spacing}%
9365 \reset@font\foottextfont
9366 \hsize\columnwidth \@parboxrestore
9367 \protected@edef\@currentlabel{%
9368 \csname p@mpfootnote\endcsname\@thefnmark}%
9369 \color@begingroup
9370 \@ninecolfootfmt{#1}%
9371 \color@endgroup}%
9372 \m@mmf@prepare}
9373 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9374 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLfalse%
9375 \unvbox\@mpfootinsv\@r
9376 \def\baselinestretch{\m@m@footnote@spacing}%
9377 \reset@font\LTRfoottextfont
9378 \hsize\columnwidth \@parboxrestore
9379 \if@RTLcolumnfootnotes\beginL\fi
9380 \protected@edef\@currentlabel{%
9381 \csname p@mpfootnote\endcsname\@thefnmark}%
9382 \color@begingroup
9383 \@ninecolLTRfootfmt{#1}%
9384 \color@endgroup}%
9385 \m@mmf@prepare}
9386 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9387 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
9388 \unvbox\@mpfootinsv\@r
9389 \def\baselinestretch{\m@m@footnote@spacing}%
9390 \reset@font\RTLfoottextfont
9391 \hsize\columnwidth \@parboxrestore
9392 \protected@edef\@currentlabel{%
9393 \csname p@mpfootnote\endcsname\@thefnmark}%
9394 \color@begingroup
9395 \@ninecolRTLfootfmt{#1}%
9396 \color@endgroup}%
9397 \m@mmf@prepare}
9398 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9399 \m@make@ninecolfootnotetext{#1}%

```



```

9400 \m@make@mpninecolfootnotetext{#1}%
9401 \m@make@ninecolfootfmt{#1}%
9402 \m@make@ninecol@footgroup{#1}%
9403 \m@make@mpninecol@footgroup{#1}%
9404 \m@make@footstart{#1}%
9405 \bidi@namelongdef{@footnotetext#1}##1{%
9406     \@nameuse{@ninecolfootnotetext#1}{##1}}%
9407 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9408     \@nameuse{@mpninecolfootnotetext#1}{##1}}%
9409 \@namedef{@footgroup#1}{\@nameuse{@ninecol@footgroup#1}}%
9410 \@namedef{mp@footgroup#1}{\@nameuse{@mpninecol@footgroup#1}}%
9411 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9412 \expandafter\count\csname footins#1\endcsname=500\relax}
9413 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9414     \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
9415         \insert\@nameuse{footins#1}{%
9416             \def\baselinestretch{\m@m@footnote@spacing}%
9417             \reset@font\@nameuse{foottextfont#1}%
9418             \@preamfntext
9419             \protected@edef\@currentlabel{%
9420                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9421             \color@begingroup
9422                 \@nameuse{@ninecolfootfmt#1}{##1}%
9423             \color@endgroup}%
9424             \m@m@mmf@prepare}}
9425 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9426     \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
9427         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9428             \unvbox\@nameuse{@mpfootins#1}
9429             \def\baselinestretch{\m@m@footnote@spacing}%
9430             \reset@font\@nameuse{foottextfont#1}%
9431             \hsize\columnwidth \@parboxrestore
9432             \protected@edef\@currentlabel{%
9433                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9434             \color@begingroup
9435                 \@nameuse{@ninecolfootfmt#1}{##1}%
9436             \color@endgroup}\m@m@mmf@prepare}}
9437 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9438     \@namedef{@ninecol@footfmt#1}##1{%
9439         \@preamninefmt
9440         {\@nameuse{footfootmark#1}\strut
9441             {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9442 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9443     \@namedef{@ninecol@footgroup#1}{%
9444         \def\baselinestretch{\m@m@footnote@spacing}%
9445         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9446         \m@m@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
9447 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9448     \@namedef{@mpninecol@footgroup#1}{%
9449         \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9450 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9451 \m@r rigidbalance{\nameuse{\mpfootins#1}}{9}{\splittopskip}}}}
9452 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9453 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9454 \let\@footnotetext\@tencolfootnotetext
9455 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9456 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9457 \dimen\footinsv@r=10\footinsdim
9458 \count\footinsv@r=100\relax
9459 \m@make@tencol@footgroup{v@r}%
9460 \let\@footgroupv@r\@tencol@footgroupv@r
9461 \let\@mpfootnotetext\@mptencolfootnotetext
9462 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9463 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9464 \m@make@mptencol@footgroup{v@r}%
9465 \let\mp@footgroupv@r\@mptencol@footgroupv@r
9466 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9467 \def\baselinestretch{\m@m@footnote@spacing}%
9468 \reset@font\foottextfont
9469 \@preamfntext
9470 \protected@edef\@currentlabel{%
9471 \csname p@footnote\endcsname\@thefnmark}%
9472 \color@begingroup
9473 \@tencolfootfmt{#1}%
9474 \color@endgroup}%
9475 \m@mmf@prepare}
9476 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9477 \def\baselinestretch{\m@m@footnote@spacing}%
9478 \reset@font\LTRfoottextfont
9479 \@preamfntext
9480 \protected@edef\@currentlabel{%
9481 \csname p@footnote\endcsname\@thefnmark}%
9482 \color@begingroup
9483 \@tencolLTRfootfmt{#1}%
9484 \color@endgroup}%
9485 \m@mmf@prepare}
9486 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9487 \def\baselinestretch{\m@m@footnote@spacing}%
9488 \reset@font\RTLfoottextfont
9489 \@preamfntext
9490 \protected@edef\@currentlabel{%
9491 \csname p@footnote\endcsname\@thefnmark}%
9492 \color@begingroup
9493 \@tencolRTLfootfmt{#1}%
9494 \color@endgroup}%
9495 \m@mmf@prepare}
9496 \bidi@ensure@newcommand{\@preamtenfmt}{%
9497 \hspace{.1\hspace}
9498 \parindent=\z@
9499 \tolerance=5000\relax

```



```

9500 \leavevmode}
9501 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9502 \@preamtenfmt
9503 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9504 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9505 \@preamtenfmt
9506 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9507 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9508 \@preamtenfmt
9509 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9510 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9511 \global\setbox\@mpfootinsv\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9512 \unvbox\@mpfootinsv\@r
9513 \def\baselinestretch{\m@m@footnote@spacing}%
9514 \reset@font\foottextfont
9515 \hsize\columnwidth \@parboxrestore
9516 \protected@edef\@currentlabel{%
9517 \csname p@mpfootnote\endcsname\@thefnmark}%
9518 \color@begingroup
9519 \@tencolfootfmt{#1}%
9520 \color@endgroup}%
9521 \m@m@mmf@prepare}
9522 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9523 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLfalse%
9524 \unvbox\@mpfootinsv\@r
9525 \def\baselinestretch{\m@m@footnote@spacing}%
9526 \reset@font\LTRfoottextfont
9527 \hsize\columnwidth \@parboxrestore
9528 \if@RTLcolumnfootnotes\beginL\fi
9529 \protected@edef\@currentlabel{%
9530 \csname p@mpfootnote\endcsname\@thefnmark}%
9531 \color@begingroup
9532 \@tencolLTRfootfmt{#1}%
9533 \color@endgroup}%
9534 \m@m@mmf@prepare}
9535 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9536 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
9537 \unvbox\@mpfootinsv\@r
9538 \def\baselinestretch{\m@m@footnote@spacing}%
9539 \reset@font\RTLfoottextfont
9540 \hsize\columnwidth \@parboxrestore
9541 \protected@edef\@currentlabel{%
9542 \csname p@mpfootnote\endcsname\@thefnmark}%
9543 \color@begingroup
9544 \@tencolRTLfootfmt{#1}%
9545 \color@endgroup}%
9546 \m@m@mmf@prepare}
9547 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9548 \m@make@tencolfootnotetext{#1}%
9549 \m@make@mptencolfootnotetext{#1}%

```



```

9550 \m@make@tencolfootfmt{#1}%
9551 \m@make@tencol@footgroup{#1}%
9552 \m@make@emptencol@footgroup{#1}%
9553 \m@make@footstart{#1}%
9554 \bidi@namelongdef{@footnotetext#1}##1{%
9555     \@nameuse{@tencolfootnotetext#1}{##1}}%
9556 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9557     \@nameuse{@emptencolfootnotetext#1}{##1}}%
9558 \@namedef{@footgroup#1}{\@nameuse{@tencol@footgroup#1}}%
9559 \@namedef{mp@footgroup#1}{\@nameuse{@emptencol@footgroup#1}}%
9560 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9561 \expandafter\count\csname footins#1\endcsname=500\relax}
9562 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9563     \bidi@namelongdef{@tencolfootnotetext#1}##1{%
9564         \insert\@nameuse{footins#1}{%
9565             \def\baselinestretch{\m@m@footnote@spacing}%
9566             \reset@font\@nameuse{foottextfont#1}%
9567             \@preamfntext
9568             \protected@edef\@currentlabel{%
9569                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9570             \color@begingroup
9571             \@nameuse{@tencolfootfmt#1}{##1}%
9572             \color@endgroup}%
9573         \m@m@mmf@prepare}}
9574 \bidi@ensure@newcommand{\m@make@emptencolfootnotetext}[1]{%
9575     \bidi@namelongdef{@emptencolfootnotetext#1}##1{%
9576         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9577             \unvbox\@nameuse{@mpfootins#1}
9578             \def\baselinestretch{\m@m@footnote@spacing}%
9579             \reset@font\@nameuse{foottextfont#1}%
9580             \hsize\columnwidth \@parboxrestore
9581             \protected@edef\@currentlabel{%
9582                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9583             \color@begingroup
9584             \@nameuse{@tencolfootfmt#1}{##1}%
9585             \color@endgroup}\m@m@mmf@prepare}}
9586 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9587     \@namedef{@tencolfootfmt#1}##1{%
9588         \@preamtenfmt
9589         {\@nameuse{footfootmark#1}\strut
9590         {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9591 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9592     \@namedef{@tencol@footgroup#1}{%
9593         \def\baselinestretch{\m@m@footnote@spacing}%
9594         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9595         \m@m@r@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9596 \bidi@ensure@newcommand{\m@make@emptencol@footgroup}[1]{%
9597     \@namedef{@emptencol@footgroup#1}{%
9598         \def\baselinestretch{\m@m@footnote@spacing}%
9599         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

g600 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
g601 \bidi@ensure@newcommand{\m@munvxh}[1]{%
g602 \setbox0=\vbox{\unvbox#1%
g603 \global\setbox1=\lastbox}%
g604 \unhbox1
g605 \unskip
g606 \unskip
g607 \unpenalty
g608 \hskip\m@mipn@skip}
g609 \bidi@ensure@newcommand{\m@mungebox}{%
g610 \setbox0=\hbox{\m@munvxh0}%
g611 \dp0=\z@
g612 \ht0=\footfudgefactor\wd0
g613 \box0
g614 \penalty0}
g615 \newskip\m@mipn@skip
g616 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
g617 {\foottextfont\global\m@mipn@skip=#1\relax}}
g618 \m@minterparanoteglue{1em plus.4em minus.4em}
g619 \@ifpackageloaded{multicol}{%
g620 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
g621 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
g622 \hsize\textwidth%
g623 \setbox0=\hbox{}%
g624 \loop
g625 \unpenalty
g626 \setbox2=\lastbox
g627 \ifhbox2
g628 \setbox0=\hbox{\box2\unhbox0}
g629 \repeat}
g630 }{%
g631 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
g632 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
g633 \setbox0=\hbox{}%
g634 \loop
g635 \unpenalty
g636 \setbox2=\lastbox
g637 \ifhbox2
g638 \setbox0=\hbox{\box2\unhbox0}
g639 \repeat}}
g640 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
g641 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
g642 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
g643 \bidi@ensure@newcommand{\paragraphfootnotes}{%
g644 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
g645 \let\@footnotetext\@parafootnotetext
g646 \let\@LTRfootnotetext\@paraLTRfootnotetext
g647 \let\@RTLfootnotetext\@paraRTLfootnotetext
g648 \dimen\footinsv@r=\footinsdim
g649 \count\footinsv@r=1000\relax

```





```

9650 \m@make@para@footgroup{v@r}%
9651 \let\@footgroupv@r\@para@footgroupv@r
9652 \let\@mpfootnotetext\@mpparafootnotetext
9653 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9654 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9655 \m@make@mppara@footgroup{v@r}%
9656 \let\mp@footgroupv@r\@mppara@footgroupv@r
9657 {\def\baselinestretch{\m@m@footnote@spacing}%
9658 \foottextfont
9659 \dimen0=\baselineskip
9660 \multiply\dimen0 by 1024
9661 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9662 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9663 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9664 \let\bidi@RTL@everypar\@empty%
9665 \def\baselinestretch{\m@m@footnote@spacing}%
9666 \reset@font\foottextfont
9667 \@preamfntext
9668 \protected@edef\@currentlabel{%
9669 \csname p@footnote\endcsname\@thefnmark}%
9670 \setbox0=\vbox{\hsize=\maxdimen
9671 \color@begingroup
9672 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9673 \color@endgroup}%
9674 \m@mungebox}\m@mmf@prepare}
9675 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9676 \let\bidi@RTL@everypar\@empty%
9677 \def\baselinestretch{\m@m@footnote@spacing}%
9678 \reset@font\LTRfoottextfont
9679 \@preamfntext
9680 \protected@edef\@currentlabel{%
9681 \csname p@footnote\endcsname\@thefnmark}%
9682 \setbox0=\vbox{\hsize=\maxdimen
9683 \color@begingroup
9684 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9685 \color@endgroup}%
9686 \m@mungebox}\m@mmf@prepare}
9687 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9688 \let\bidi@RTL@everypar\@empty%
9689 \def\baselinestretch{\m@m@footnote@spacing}%
9690 \reset@font\RTLfoottextfont
9691 \@preamfntext
9692 \protected@edef\@currentlabel{%
9693 \csname p@footnote\endcsname\@thefnmark}%
9694 \setbox0=\vbox{\hsize=\maxdimen
9695 \color@begingroup
9696 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9697 \color@endgroup}%
9698 \m@mungebox}\m@mmf@prepare}
9699 \bidi@ensure@newcommand{\@parafootfmt}[1]{%

```



```

9700 \parindent=\z@
9701 \parfillskip=Opt \@plus 1fil
9702 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9703 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9704 \parindent=\z@
9705 \parfillskip=Opt \@plus 1fil
9706 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9707 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9708 \parindent=\z@
9709 \parfillskip=Opt \@plus 1fil
9710 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9711 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9712 \global\setbox\@mpfootinsv@r\vbox{%
9713 \let\bidi@RTL@everypar\@empty%
9714 \def\baselinestretch{\m@m@footnote@spacing}%
9715 \unvbox\@mpfootinsv@r
9716 \reset@font\foottextfont
9717 \hsize\columnwidth \@parboxrestore
9718 \protected@edef\@currentlabel{%
9719 \csname p@mpfootnote\endcsname\@thefnmark}%
9720 \setbox0=\vbox{\hsize=\maxdimen
9721 \color@begingroup
9722 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9723 \color@endgroup}}%
9724 \m@mungebox}\m@mmf@prepare}
9725 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9726 \global\setbox\@mpfootinsv@r\vbox{%
9727 \let\bidi@RTL@everypar\@empty%
9728 \def\baselinestretch{\m@m@footnote@spacing}%
9729 \unvbox\@mpfootinsv@r
9730 \reset@font\LTRfoottextfont
9731 \hsize\columnwidth \@parboxrestore
9732 \protected@edef\@currentlabel{%
9733 \csname p@mpfootnote\endcsname\@thefnmark}%
9734 \setbox0=\vbox{\hsize=\maxdimen
9735 \color@begingroup
9736 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9737 \color@endgroup}}%
9738 \m@mungebox}\m@mmf@prepare}
9739 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9740 \global\setbox\@mpfootinsv@r\vbox{%
9741 \let\bidi@RTL@everypar\@empty%
9742 \def\baselinestretch{\m@m@footnote@spacing}%
9743 \unvbox\@mpfootinsv@r
9744 \reset@font\RTLfoottextfont
9745 \hsize\columnwidth \@parboxrestore
9746 \protected@edef\@currentlabel{%
9747 \csname p@mpfootnote\endcsname\@thefnmark}%
9748 \setbox0=\vbox{\hsize=\maxdimen
9749 \color@begingroup

```



```

9750      \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9751      \color@endgroup}%
9752      \m@mungebox}\m@mmf@prepare}
9753 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9754   \m@make@parafootnotetext{#1}%
9755   \m@make@mpparafootnotetext{#1}%
9756   \m@make@parafootfmt{#1}%
9757   \m@make@para@footgroup{#1}%
9758   \m@make@mppara@footgroup{#1}%
9759   \m@make@para@footstart{#1}%
9760   \bidi@namelongdef{@footnotetext#1}##1{%
9761     \@nameuse{@parafootnotetext#1}{##1}}%
9762   \bidi@namelongdef{@mpfootnotetext#1}##1{%
9763     \@nameuse{@mpparafootnotetext#1}{##1}}%
9764   \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
9765   \@namedef{@mpfootgroup#1}{\@nameuse{@mppara@footgroup#1}}%
9766   \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
9767   \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9768   \expandafter\count\csname footins#1\endcsname=1000\relax
9769   {\def\baselinestretch{\m@m@footnote@spacing}%
9770    \@nameuse{foottextfont#1}%
9771    \dimen0=\baselineskip
9772    \multiply\dimen0 by 1024
9773    \divide\dimen0 by \hsize \multiply\dimen0 by 64
9774    \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9775 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9776 \bidi@namelongdef{@parafootnotetext#1}##1{%
9777   \insert\@nameuse{footins#1}{
9778   \def\baselinestretch{\m@m@footnote@spacing}%
9779   \reset@font\@nameuse{foottextfont#1}%
9780   \@preamfntext
9781   \protected@edef\@currentlabel{%
9782     \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9783   \setbox0=\vbox{\hsize=\maxdimen
9784     \color@begingroup
9785     \noindent \@nameuse{@parafootfmt#1}{##1}%
9786     \color@endgroup}%
9787   \m@mungebox}\m@mmf@prepare}}
9788 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9789 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9790   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9791     \unvbox\@nameuse{@mpfootins#1}
9792     \def\baselinestretch{\m@m@footnote@spacing}%
9793     \reset@font\@nameuse{foottextfont#1}%
9794     \hsize\columnwidth \@parboxrestore
9795     \protected@edef\@currentlabel{%
9796       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9797     \setbox0=\vbox{\hsize=\maxdimen
9798       \color@begingroup
9799       \noindent \@nameuse{@parafootfmt#1}{##1}%

```



```

9800      \color@endgroup}%
9801      \m@mungebox}\m@mmf@prepare}}
9802 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9803 \bidi@namelongdef{@parafootfmt#1}##1{%
9804   \parindent=\z@
9805   \parfillskip=0pt \@plus 1fil
9806   {\@nameuse{footfootmark#1}\strut
9807    {\@nameuse{foottextfont#1}##1}\penalty-10}}
9808 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9809 \@namedef{@para@footgroup#1}{%
9810   \unvbox\@nameuse{footins#1}
9811   \m@mmakehboxofhboxes
9812   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9813   \@parboxrestore%
9814   \def\baselinestretch{\m@m@footnote@spacing}%
9815   \@nameuse{foottextfont#1}%
9816   \noindent\unhbox0\par}}
9817 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9818 \@namedef{@mppara@footgroup#1}{%
9819   \unvbox\@nameuse{@mpfootins#1}
9820   \m@mmakehboxofhboxes
9821   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9822   \def\baselinestretch{\m@m@footnote@spacing}%
9823   \@nameuse{foottextfont#1}%
9824   \noindent\unhbox0\par}}
9825 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9826 \@namedef{@para@footstart#1}{%
9827   \vskip\bigskipamount
9828   \leftskip=\z@
9829   \rightskip=\z@
9830   \parindent=\z@
9831   \vskip\skip\@nameuse{footins#1}%
9832   \footnoterule}}
9833 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9834 \xdef\@freelist{\@freelist\@midlist}%
9835 \global\let\@midlist\@empty
9836 \@combinefloats}
9837 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9838 \ifvbox\@kludgeins
9839   \@makespecialcolbox
9840 \else
9841   \setbox\@outputbox \vbox to\@colht{%
9842     \@texttop
9843     \dimen@ \dp\@outputbox
9844     \unvbox \@outputbox
9845     \vskip -\dimen@
9846     \@textbottom}%
9847   \fi}
9848 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9849 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%

```



```

9850 \boxmaxdepth \@maxdepth
9851 \@tempdima\dp\@cclv
9852 \unvbox\@cclv
9853 \vskip-\@tempdima
9854 \bidi@mopfn@bottom
9855 \vskip \skip\footins
9856 \color@begingroup
9857 \normalcolor
9858 \footnoterule
9859 \unvbox \footins
9860 \color@endgroup}}
9861 \newcommand*{\bidi@mopfootnotebf}{%
9862 \setbox\@outputbox \vbox{%
9863 \boxmaxdepth \@maxdepth
9864 \unvbox\@outputbox
9865 \bidi@mopfn@bottom
9866 \vskip\skip\footins
9867 \color@begingroup
9868 \normalcolor
9869 \footnoterule
9870 \unvbox \footins
9871 \color@endgroup}}
9872 \gdef\mem@makecol{%
9873 \m@m@makecolintro
9874 \ifvoid\footins
9875 \setbox\@outputbox \box\@cclv
9876 \else
9877 \m@mopfootnote
9878 \fi
9879 \m@mdoextrafeet
9880 \m@m@makecolfloats
9881 \m@m@makecoltext
9882 \global \maxdepth \@maxdepth}
9883 \gdef\bidi@makecolbf{%
9884 \m@m@makecolintro
9885 \setbox\@outputbox \box\@cclv
9886 \m@m@makecolfloats
9887 \ifvoid\footins
9888 \else
9889 \bidi@mopfootnotebf
9890 \fi
9891 \m@mdoextrafeet
9892 \m@m@makecoltext
9893 \global \maxdepth \@maxdepth}
9894 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
9895 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
9896 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
9897 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
9898 \FeetAboveFloat
9899 \FeetBelowRagged

```



## 7.56 extreport-xetex-bidi.def

```

9900 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
9901 \renewcommand*\l@part[2]{%
9902   \ifnum \c@tocdepth >-2\relax
9903     \addpenalty{-\@highpenalty}%
9904     \addvspace{2.25em \@plus\p@}%
9905     \begingroup
9906       \setlength\@tempdima{3em}%
9907       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9908       \parfillskip -\@pnumwidth
9909       {\leavevmode
9910         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9911       \nobreak
9912       \global\@nobreaktrue
9913       \everypar{\global\@nobreakfalse\everypar{}}%
9914     \endgroup
9915   \fi}
9916 \renewcommand*\l@chapter[2]{%
9917   \ifnum \c@tocdepth >\m@ne
9918     \addpenalty{-\@highpenalty}%
9919     \vskip 1.0em \@plus\p@
9920     \setlength\@tempdima{1.5em}%
9921     \begingroup
9922       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9923       \parfillskip -\@pnumwidth
9924       \leavevmode \bfseries
9925       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9926       \hskip -\if@RTL\rightskip\else\leftskip\fi
9927       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9928       \penalty\@highpenalty
9929     \endgroup
9930   \fi}
9931 \def\@makechapterhead#1{%
9932   \vspace*{50\p@}%
9933   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9934     \ifnum \c@secnumdepth >\m@ne
9935       \huge\bfseries \@chapapp\space \thechapter
9936       \par\nobreak
9937       \vskip 20\p@
9938     \fi
9939     \interlinepenalty\@M
9940     \Huge \bfseries #1\par\nobreak
9941     \vskip 40\p@
9942   }}
9943 \def\@makeschapterhead#1{%
9944   \vspace*{50\p@}%
9945   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9946     \normalfont
9947     \interlinepenalty\@M

```



```

9948 \Huge \bfseries #1\par\nobreak
9949 \vskip 40\p@
9950 }}
9951 \renewcommand\left@footnoterule{%
9952 \kern-3\p@
9953 \hrule\@width.4\columnwidth
9954 \kern2.6\p@}
9955 \renewcommand\right@footnoterule{%
9956 \kern-3\p@
9957 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9958 \kern2.6\p@}
9959 \renewenvironment{thebibliography}[1]
9960 {\chapter*{\bibname
9961 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9962 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9963 \list{\@biblabel{\@arabic\c@enumiv}}%
9964 {\settowidth\labelwidth{\@biblabel{#1}}%
9965 \leftmargin\labelwidth
9966 \advance\leftmargin\labelsep
9967 \@openbib@code
9968 \usecounter{enumiv}%
9969 \let\p@enumiv\@empty
9970 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9971 \sloppy\clubpenalty4000\widowpenalty4000%
9972 \sfcode`.\@m}
9973 {\def\@noitemerr
9974 {\@latex@warning{Empty `thebibliography' environment}}%
9975 \endlist}
9976 \if@titlepage
9977 \renewcommand\maketitle{\begin{titlepage}%
9978 \let\footnotesize\small
9979 \let\right@footnoterule\relax
9980 \let\left@footnoterule\relax
9981 \let\textwidth\footnoterule\relax
9982 \let \footnote \thanks
9983 \null\vfil
9984 \vskip 60\p@
9985 \begin{center}%
9986 {\LARGE \@title \par}%
9987 \vskip 3em%
9988 {\large
9989 \lineskip .75em%
9990 \begin{tabular}[t]{c}%
9991 \@author
9992 \end{tabular}\par}%
9993 \vskip 1.5em%
9994 {\large \@date \par}% % Set date in \large size.
9995 \end{center}\par
9996 \@thanks
9997 \vfil\null

```



```

9998 \end{titlepage}%
9999 \setcounter{footnote}{0}%
10000 \global\let\thanks\relax
10001 \global\let\maketitle\relax
10002 \global\let\@thanks\@empty
10003 \global\let\@author\@empty
10004 \global\let\@date\@empty
10005 \global\let\@title\@empty
10006 \global\let\title\relax
10007 \global\let\author\relax
10008 \global\let\date\relax
10009 \global\let\and\relax
10010 }
10011 \else
10012 \renewcommand\maketitle{\par
10013 \begingroup
10014 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10015 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10016 \long\def\@makefntext##1{\parindent 1em\noindent
10017 \hb@xt@1.8em{%
10018 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10019 \if@twocolumn
10020 \ifnum \col@number=\@ne
10021 \@maketitle
10022 \else
10023 \twocolumn[\@maketitle]%
10024 \fi
10025 \else
10026 \newpage
10027 \global\@topnum\z@ % Prevents figures from going at top of page.
10028 \@maketitle
10029 \fi
10030 \thispagestyle{plain}\@thanks
10031 \endgroup
10032 \setcounter{footnote}{0}%
10033 \global\let\thanks\relax
10034 \global\let\maketitle\relax
10035 \global\let\@maketitle\relax
10036 \global\let\@thanks\@empty
10037 \global\let\@author\@empty
10038 \global\let\@date\@empty
10039 \global\let\@title\@empty
10040 \global\let\title\relax
10041 \global\let\author\relax
10042 \global\let\date\relax
10043 \global\let\and\relax
10044 }
10045 \def\@maketitle{%
10046 \newpage
10047 \null

```





```

10048 \vskip 2em%
10049 \begin{center}%
10050 \let \footnote \thanks
10051 {\LARGE \@title \par}%
10052 \vskip 1.5em%
10053 {\large
10054 \lineskip .5em%
10055 \begin{tabular}[t]{c}%
10056 \@author
10057 \end{tabular}\par}%
10058 \vskip 1em%
10059 {\large \@date}%
10060 \end{center}%
10061 \par
10062 \vskip 1.5em}
10063 \fi
10064 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10065 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10066 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10067 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10068 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10069 \renewcommand\theequation{%
10070 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10071 \renewcommand\thefigure{%
10072 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10073 \renewcommand\thetable{%
10074 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

## 7.57 fancybox-xetex-bidi.def

```

10075 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
10076 \def\fancy@oval#1#2#3{%
10077 \boxmaxdepth \maxdimen
10078 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10079 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10080 \@ovxx#1\relax
10081 \advance\@ovxx-\@wholewidth
10082 \@ovyy#2\relax
10083 \advance\@ovyy-\@wholewidth
10084 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10085 \advance\@tempdimb-2\p@
10086 \ifdim\@tempdimb>\the@cornersize\relax
10087 \@tempdimb=\the@cornersize
10088 \fi
10089 \@getcirc\@tempdimb
10090 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10091 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10092 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10093 \circlefnt
10094 \setbox\@tempboxa\hbox{\beginL%

```



```

10095 \if@ovr \ovvert32\kern -\@tempdima \fi
10096 \if@ovl \kern \@ovxx \ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10097 \if@ovt \ovhorz \kern -\@ovxx \fi
10098 \if@ovb \raise \@ovyy \ovhorz \fi\endL}%
10099 \advance\ovdx\@ovro
10100 \advance\ovdy\@ovro
10101 \advance\ovxx\@wholewidth
10102 \wd\@tempboxa=\@ovxx
10103 \dp\@tempboxa=\z@}

```

## 7.58 fancyhdr-xetex-bidi.def

```

10104 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for
10105 \let\fnch@everypar\everypar%
10106 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
10107 \@fancyvbox\headheight{\hbox
10108 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
10109 \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
10110 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma
10111 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
10112 \@fancyvbox\footskip{\footrule
10113 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
10114 \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\els
10115 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma

```

## 7.59 fix2col-xetex-bidi.def

```

10116 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
10117 \def\RTL@outputdblcol{%
10118 \if@firstcolumn
10119 \global\@firstcolumnfalse
10120 \global\setbox\@leftcolumn\copy\@outputbox
10121 \splitmaxdepth\maxdimen
10122 \vbadness\maxdimen
10123 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10124 \toks@{\expandafter{\topmark}}%
10125 \xdef\@firstcoltopmark{\the\toks@}%
10126 \toks@{\expandafter{\splitfirstmark}}%
10127 \xdef\@firstcolfirstmark{\the\toks@}%
10128 \ifx\@firstcolfirstmark\@empty
10129 \global\let\@setmarks\relax
10130 \else
10131 \gdef\@setmarks{%
10132 \let\firstmark\@firstcolfirstmark
10133 \let\topmark\@firstcoltopmark}%
10134 \fi
10135 \else \global\@firstcolumntrue
10136 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10137 \hskip \columnwidth
10138 \hfil \vrule width\columnseprule \hfil
10139 \hbox to\columnwidth {\box\@leftcolumn \hss}%

```



```

10140 \hskip -\textwidth
10141 \hbox to\columnwidth{\box\@outputbox \hss}%
10142 \hskip \columnsep
10143 \hskip \columnwidth }}%
10144 \@combinedblfloats \@setmarks \@outputpage
10145 \beginngroup \@dblfloatplacement \@startdblcolumn
10146 \@whiles\if@fcolmade \fi
10147 {\@outputpage \@startdblcolumn }\endgroup
10148 \fi}
10149 \def\LTR@outputdblcol{%
10150   \if@firstcolumn
10151     \global\@firstcolumnfalse
10152     \global\setbox\@leftcolumn\copy\@outputbox
10153     \splitmaxdepth\maxdimen
10154     \vbadness\maxdimen
10155     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10156     \toks\@expandafter{\topmark}%
10157     \xdef\@firstcoltopmark{\the\toks}%
10158     \toks\@expandafter{\splitfirstmark}%
10159     \xdef\@firstcolfirstmark{\the\toks}%
10160     \ifx\@firstcolfirstmark\@empty
10161       \global\let\@setmarks\relax
10162     \else
10163       \gdef\@setmarks{%
10164         \let\firstmark\@firstcolfirstmark
10165         \let\topmark\@firstcoltopmark}%
10166     \fi
10167   \else
10168     \global\@firstcolumntrue
10169     \setbox\@outputbox\vbox{%
10170       \hb@xt@\textwidth{%
10171         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10172         \hfil
10173         \vrule \@width\columnseprule
10174         \hfil
10175         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10176   \@combinedblfloats
10177   \@setmarks
10178   \@outputpage
10179   \beginngroup
10180     \@dblfloatplacement
10181     \@startdblcolumn
10182     \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10183   \endgroup
10184 \fi}

```

## 7.60 fleqn-xetex-bidi.def

```

10185 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
10186 \renewcommand\{\relax

```



```

10187         \ifmmode\@badmath
10188         \else
10189             \begin{trivlist}%
10190                 \@beginparpenalty\predisplaypenalty
10191                 \@endparpenalty\postdisplaypenalty
10192                 \item[]\leavevmode
10193                 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10194                 \hskip\mathindent\bggroup
10195             \fi}
10196 \renewcommand\]{\relax
10197         \ifmmode
10198             \egroup $\hfil% $
10199             \endL\egroup
10200             \end{trivlist}%
10201         \else \@badmath
10202         \fi}
10203 \renewenvironment{equation}%
10204     {\@beginparpenalty\predisplaypenalty
10205     \@endparpenalty\postdisplaypenalty
10206     \refstepcounter{equation}%
10207     \trivlist \item[]\leavevmode
10208     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10209     \displaystyle
10210     \hskip\mathindent}%
10211     {$\hfil % $
10212     \displaywidth\linewidth\hbox{\@eqnnum}%
10213     \endL\egroup
10214     \endtrivlist}

```

## 7.61 float-xetex-bidi.def

```

10215 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
10216 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10217 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10218 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10219 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10220     \expandafter\edef\csname the#1\endcsname{%
10221         \expandafter\noexpand\csname
10222             the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10223     {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

## 7.62 floatrow-xetex-bidi.def

```

10224 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
10225 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10226     \expandafter\edef\csname theFB@captype\endcsname{%
10227         \expandafter\noexpand\csname
10228             the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

## 7.63 flowfram-xetex-bidi.def

```

10229 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for XeTeX]

```



```

10230 \def\@outputdblcol{%
10231 \@nxtcol=\c@thisframe
10232 \c@curpg=\c@page
10233 \g@tnextcol{\@nxtcol}%
10234 \ifff@nwpg % next flow frame starts on new page
10235 \global\@firstcolumntrue
10236 \setcolbox\c@thisframe
10237 \if@specialpage
10238 \global\@specialpagefalse
10239 \nameuse{ps@\@specialstyle}\relax
10240 \fi
10241 \if@twoside
10242 \ifodd\count\z@
10243 \let\@thehead\@oddhead
10244 \let\@thefoot\@oddfoot
10245 \else
10246 \let\@thehead\@evenhead
10247 \let\@thefoot\@evenfoot
10248 \fi
10249 \else
10250 \let\@thehead\@oddhead
10251 \let\@thefoot\@oddfoot
10252 \fi
10253 \@begindvi
10254 \@dynamictthehead\@dynamictthefoot
10255 \vbadness=\@M
10256 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10257 \@combinedblfloats
10258 \@outputpage
10259 \advance\c@curpg by -\c@page\relax
10260 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10261 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10262 \@outputpage}
10263 \begingroup
10264 \@dblfloatplacement
10265 \startdblcolumn
10266 \@whiles\if@colmade\fi
10267 {\@outputpage \startdblcolumn }\endgroup
10268 \resetst@tics
10269 \resetdyn@mics
10270 \else % still on same page, save contents of box255
10271 \global\@firstcolumnfalse
10272 \setcolbox\c@thisframe
10273 \fi
10274 \global\c@thisframe=\@nxtcol
10275 \setcol{\c@thisframe}\relax
10276 \global\@colht\vsiz
10277 }
10278 \def\@outputpage{%
10279 \begingroup

```



```

10280 \let\protect\noexpand
10281 \@resetactivechars
10282 \global\let\@@if@newlist@if@newlist
10283 \global\@newlistfalse\@parboxrestore
10284 \shipout\vbox{\set@typeset@protect
10285   \aftergroup
10286   \endgroup
10287   \aftergroup
10288   \set@typeset@protect
10289   \reset@font\normalsize\normalsfcodes
10290   \let\label@gobble
10291   \let\index@gobble
10292   \let\glossary@gobble
10293   \baselineskip\z@skip
10294   \lineskip\z@skip
10295   \lineskiplimit\z@
10296   \vskip\topmargin\moveright\@themargin
10297   \vbox{%
10298     \vskip\headheight
10299     \vskip\headsep
10300     \box\@outputbox
10301   }}%
10302 \global\let@if@newlist\@@if@newlist
10303 \stepcounter{page}%
10304 \setcounter{displayedframe}{0}%
10305 \let\firstmark\botmark}
10306
10307
10308 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{ }{%
10309   \expandafter\bidicolor\ff@txtcol}}
10310
10311 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10312   {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10313
10314
10315 \renewcommand*{\@docolbox}[1]{%
10316   \edef\ff@frametype{%
10317     \csname @ff@frametype@\romannumeral#1\endcsname}%
10318   \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10319   \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10320   \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10321   \@ff@setoffset{#1}%
10322   \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10323     \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
10324       \@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10325     {\csname colheight\romannumeral#1\endcsname}}{%
10326       \expandafter\box\csname column\romannumeral#1\endcsname}{%
10327       \csname\ff@frametype\endcsname}%
10328   }{%
10329     \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%

```



```

10330 {\csname colheight\romannumeral#1\endcsname}{%
10331 \expandafter\box\csname column\romannumeral#1\endcsname}%
10332 }}}
10333 \ifclassloaded{book}{%
10334 \renewcommand\theequation
10335 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10336 \renewcommand\thefigure
10337 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10338 \renewcommand\thetable
10339 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10340 \renewcommand\thechapter {\@arabic\c@chapter}
10341 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10342 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10343 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10344 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10345 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10346 \ifclassloaded{report}{%
10347 \renewcommand\theequation
10348 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10349 \renewcommand\thefigure
10350 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10351 \renewcommand\thetable
10352 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10353 \renewcommand\thechapter {\@arabic\c@chapter}
10354 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10355 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10356 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10357 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10358 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10359 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10360 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10361 \else
10362 #2\relax
10363 \fi}

```

## 7.64 footnote-xetex-bidi.def

```

10364 \ProvidesFile{footnote-xetex-bidi.def}[2016/09/09 v1.0 bidi footnote macros for XeTeX engine]
10365 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10366 \newif\ifbidi@autofootnoterule
10367 \def\bidi@mpfootnoterule{\footnoterule}
10368 \newcounter{footdir@label}
10369 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10370 \newcommand*{\footdir@write}{%
10371 \stepcounter{footdir@label}%
10372 \zref@labelbyprops{\thefootdir@label}{abspage}%
10373 }
10374 \newif\iffootdir@debug
10375 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10376 \newtoks\footdir@toks

```



```

10377 \newcommand*{\footdir@debug}[1]{%
10378   \ifffootdir@debug
10379     \typeout{[footdir] #1}%
10380   \fi
10381 }
10382 %\ifpackagelater{zref-abspage}{2012/10/27}{%
10383 %   \newcommand*{\footdir@LeftRightElse}{%
10384 %     \ltx@ifundefined{footdir@the\value{zabspage}}{%
10385 %       \footdir@debug{abspage \the\value{zabspage}: else}%
10386 %     \ltx@thirdofthree
10387 %   }{%
10388 %     \if\csname footdir@the\value{zabspage}\endcsname L%
10389 %       \footdir@debug{abspage \the\value{zabspage}: left}%
10390 %     \expandafter\ltx@firstofthree
10391 %   \else
10392 %     \footdir@debug{abspage \the\value{zabspage}: right}%
10393 %   \expandafter\ltx@secondofthree
10394 %   \fi
10395 % }%
10396 %}%
10397 %}{%
10398 \providecommand*{\c@zabspage}{\c@abspage}%
10399 \newcommand*{\footdir@LeftRightElse}{%
10400   \footdir@write
10401   \zifrefundefined{\thefootdir@label}{%
10402     \footdir@debug{abspage ??: else}%
10403     \ltx@thirdofthree
10404   }{%
10405     \edef\footdir@abspage{%
10406       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10407     }%
10408     \ltx@ifundefined{footdir@\footdir@abspage}{%
10409       \footdir@debug{\footdir@abspage: else}%
10410       \ltx@thirdofthree
10411     }{%
10412       \if\csname footdir@\footdir@abspage\endcsname L%
10413         \footdir@debug{\footdir@abspage: left}%
10414         \expandafter\ltx@firstofthree
10415       \else
10416         \footdir@debug{\footdir@abspage: right}%
10417         \expandafter\ltx@secondofthree
10418       \fi
10419     }%
10420   }%
10421 }%
10422 %}
10423 \newcommand*{\footdir@fntext}[1]{%
10424   \zifrefundefined{\thefootdir@label}{%
10425     }{%
10426       \edef\footdir@name{%

```





```

10427     footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10428   }%
10429   \@ifundefined{\footdir@name}{%
10430     \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10431   }{}%
10432 }%
10433 }
10434
10435 \newcommand*{\footdir@temp}[3]{%
10436   \@ifdefinable{#1}{%
10437     \let#1#2%
10438     \renewcommand{#2}[1]{%
10439       \footdir@write
10440       \footdir@fntext{#3}%
10441       \stepcounter{footdir@label}%
10442       \footdir@fntext{#3}%
10443       \footdir@toks{##1}%
10444       \footdir@toks\expandafter{%
10445         \the\expandafter\footdir@toks
10446         \expandafter
10447         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10448       }%
10449       \expandafter#1\expandafter{\the\footdir@toks}%
10450     }%
10451   }%
10452 }
10453
10454 \def\right@footnoterule{%
10455   \kern-3\p@
10456   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10457   \kern2.6\p@}
10458 \def\left@footnoterule{\kern-3\p@
10459   \hrule \@width .4\columnwidth \kern 2.6\p@}
10460 \def\textwidth@footnoterule{\kern-3\p@
10461   \hrule \@width \columnwidth \kern 2.6\p@}
10462 \def\leftfootnoterule{%
10463   \bidi@autofootnoterulefalse%
10464   \def\footnoterule{\left@footnoterule}}
10465 \let\LRfootnoterule=\leftfootnoterule
10466 \def\rightfootnoterule{%
10467   \bidi@autofootnoterulefalse%
10468   \def\footnoterule{\right@footnoterule}}
10469 \def\textwidthfootnoterule{%
10470   \bidi@autofootnoterulefalse%
10471   \def\footnoterule{\textwidth@footnoterule}}
10472
10473
10474
10475 \def\auto@footnoterule{%
10476   \footdir@LeftRightElse%

```



```

10477 \left@footnoterule%
10478 \right@footnoterule%
10479 \left@footnoterule%
10480 }
10481
10482
10483
10484 \def\autofootnoterule{%
10485 \bidi@autofootnoteruletrue%
10486 \def\footnoterule{\auto@footnoterule}%
10487 }
10488
10489 \newcommand*\SplitFootnoteRule{%
10490   \gdef\split@prev{0}
10491   \let\pagefootnoterule\footnoterule
10492   \let\mpfootnoterule\footnoterule
10493   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10494   \def\footnoterule{\relax
10495     \ifx \@listdepth\@mplistdepth
10496       \mpfootnoterule
10497     \else
10498       \ifnum\split@prev=\z@
10499         \pagefootnoterule
10500       \else
10501         \splitfootnoterule
10502       \fi
10503       \xdef\split@prev{\the\insertpenalties}%
10504     \fi
10505   }%
10506 }
10507
10508
10509
10510
10511 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10512   \protected@xdef\@thefnmark{\thempfn}%
10513   \@footnotemark\@RTLfootnotetext}}
10514 \def\@xRTLfootnote[#1]{%
10515   \begingroup
10516     \csname c@\@mpfn\endcsname #1\relax
10517     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10518   \endgroup
10519   \@footnotemark\@RTLfootnotetext}
10520 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10521   \protected@xdef\@thefnmark{\thempfn}%
10522   \@footnotemark\@LTRfootnotetext}}
10523 \def\@xLTRfootnote[#1]{%
10524   \begingroup
10525     \csname c@\@mpfn\endcsname #1\relax
10526     \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

10527 \endgroup
10528 \@footnotemark\@LTRfootnotetext}
10529
10530
10531 \def\setfootnoteRL{\@RTLfootnotetrue}
10532 \def\unsetfootnoteRL{\@RTLfootnotefalse}
10533 \def\setfootnoteLR{\unsetfootnoteRL}
10534
10535 \long\def\@footnotetext#1{\insert\footins{%
10536   \if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
10537   \reset@font\footnotesize
10538   \interlinepenalty\interfootnotelinepenalty
10539   \splittopskip\footnotesep
10540   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10541   \hsize\columnwidth \@parboxrestore
10542   \protected@edef\@currentlabel{%
10543     \csname p@footnote\endcsname\@thefnmark
10544   }%
10545   \color@begingroup
10546     \@makefntext{%
10547       \rule{z@}\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10548   \color@endgroup}}%
10549
10550
10551 \long\def\@RTLfootnotetext#1{\insert\footins{%
10552   \@RTLtrue%
10553   \reset@font\footnotesize
10554   \interlinepenalty\interfootnotelinepenalty
10555   \splittopskip\footnotesep
10556   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10557   \hsize\columnwidth \@parboxrestore
10558   \protected@edef\@currentlabel{%
10559     \csname p@footnote\endcsname\@thefnmark
10560   }%
10561   \color@begingroup
10562     \@makefntext{%
10563       \rule{z@}\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10564   \color@endgroup}}%
10565
10566 \long\def\@LTRfootnotetext#1{\insert\footins{%
10567   \@RTLfalse%
10568   \reset@font\footnotesize
10569   \interlinepenalty\interfootnotelinepenalty
10570   \splittopskip\footnotesep
10571   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10572   \hsize\columnwidth \@parboxrestore
10573   \protected@edef\@currentlabel{%
10574     \csname p@footnote\endcsname\@thefnmark
10575   }%
10576   \color@begingroup

```



```

10577     \@makefntext{%
10578         \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10579         \color@endgroup}}%
10580
10581 \AtBeginDocument{%
10582 \if@RTL@footnote
10583     \newcommand*{\bidi@footdir@footnote}{R}
10584 \else
10585     \newcommand*{\bidi@footdir@footnote}{L}
10586 \fi%
10587 }
10588
10589 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10590 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10591 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10592
10593 \long\def\@mpRTLfootnotetext#1{%
10594     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
10595     \global\setbox\@mpfootins\vbox{\@RTLtrue%
10596         \unvbox\@mpfootins
10597         \reset@font\footnotesize
10598         \hsize\columnwidth
10599         \@parboxrestore
10600         \protected@edef\@currentlabel
10601             {\csname p@mpfootnote\endcsname\@thefnmark}%
10602         \color@begingroup
10603             \@makefntext{%
10604                 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10605                 \color@endgroup}}
10606 \long\def\@mpLTRfootnotetext#1{%
10607     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
10608     \global\setbox\@mpfootins\vbox{\@RTLfalse%
10609         \unvbox\@mpfootins
10610         \reset@font\footnotesize
10611         \hsize\columnwidth
10612         \@parboxrestore
10613         \protected@edef\@currentlabel
10614             {\csname p@mpfootnote\endcsname\@thefnmark}%
10615         \color@begingroup
10616             \@makefntext{%
10617                 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10618                 \color@endgroup}}
10619 \long\def\@mpfootnotetext#1{%
10620     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
10621     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10622         \unvbox\@mpfootins
10623         \reset@font\footnotesize
10624         \hsize\columnwidth
10625         \@parboxrestore
10626         \protected@edef\@currentlabel

```



```

10627         {\csname p@mpfootnote\endcsname\@thefnmark}%
10628         \color@begingroup
10629         \@makefnmark{%
10630             \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10631         \color@endgroup}}
10632 \def\@iiiminipage#1#2[#3]#4{%
10633     \leavevmode
10634     \@pboxswfalse
10635     \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10636     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10637     \setlength\@tempdima{#4}%
10638     \def\@mpargs{#{1}{#2}[#3]{#4}}%
10639     \setbox\@tempboxa\vbox\bgroup
10640         \color@begingroup
10641             \hsize\@tempdima
10642             \textwidth\hsize \columnwidth\hsize
10643             \@parboxrestore
10644             \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10645             \let\@footnotetext\@mpfootnotetext
10646             \let\@LTRfootnotetext\@mpLTRfootnotetext
10647             \let\@RTLfootnotetext\@mpRTLfootnotetext
10648             \let\@listdepth\@mplistdepth \@mplistdepth\z@
10649             \@minipagerestore
10650             \setminipage}
10651 \def\endminipage{%
10652     \par
10653     \unskip
10654     \ifvoid\@mpfootins\else
10655         \vskip\skip\@mpfootins
10656         \normalcolor
10657         \bidi@mpfootnoterule
10658         \unvbox\@mpfootins
10659     \fi
10660     \@minipagefalse %% added 24 May 89
10661     \color@endgroup
10662     \egroup
10663     \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10664 \def\LTRthanks#1{\footnotemark
10665     \protected@xdef\@thanks{\@thanks
10666         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10667 }
10668 \def\LTRfootnotetext{%
10669     \ifnextchar [\@xLTRfootnotenext
10670     {\protected@xdef\@thefnmark{\thempfn}%
10671     \@LTRfootnotetext}}
10672 \def\@xLTRfootnotenext[#1]{%
10673     \begingroup
10674         \csname c@\@mpfn\endcsname #1\relax
10675         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10676     \endgroup

```



```

10677 \@LTRfootnotetext}
10678 \def\RTLthanks#1{\footnotemark
10679     \protected@xdef\@thanks{\@thanks
10680         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10681 }
10682 \let\@thanks\@empty
10683 \def\RTLfootnotetext{%
10684     \@ifnextchar [\@xRTLfootnotenext
10685         {\protected@xdef\@thefnmark{\thempfn}%
10686         \@RTLfootnotetext}}
10687 \def\@xRTLfootnotenext[#1]{%
10688     \begingroup
10689         \csname c@\mpfn\endcsname #1\relax
10690         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10691     \endgroup
10692     \@RTLfootnotetext}
10693 \leftfootnoterule

```

## 7.65 framed-xetex-bidi.def

```

10694 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10695 \renewcommand\TitleBarFrame[3][\begingroup
10696     \ifx\delimiter#1\delimiter
10697         \let\TF@conlab\@empty
10698     \else
10699         \def\TF@conlab{% continuation label
10700             \nointerlineskip
10701             \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
10702     \fi
10703     %\let\TF@savecolor\current@color
10704     \textcolor{TFFrameColor}{%
10705     \CustomFBox
10706         {\TF@Title{#2}}{\TF@conlab}%
10707         \fbboxrule\fbboxrule\fbboxrule\fbboxrule
10708         %{\let\current@color\TF@savecolor\set@color #3}%
10709         {\normalcolor #3}%
10710     }\endgroup
10711 }
10712 \renewenvironment{titled-frame}[1]{%
10713     \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
10714         \TitleBarFrame{\textbf{#1}}}%
10715     \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
10716         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
10717     \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
10718         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont)}}}
10719     \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
10720         \TitleBarFrame{\textbf{#1\ (cont)}}}%
10721     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10722 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10723 % could interfere with the width measurement.

```



```

10724 {\endMakeFramed}
10725 \chardef\FrameRestore=\catcode`\| % for debug
10726 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10727 \def\fb@put@frame#1#2{\relax
10728 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
10729 | \message{===== Entering putframe =====^^J
10730 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10731 \ifinner
10732 \fb@putboxa#1%
10733 \fb@afterframe
10734 \else
10735 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10736 \ifdim\dimen@<2\baselineskip % Too little room on page
10737 | \message{Page has only \the\dimen@\space room left; eject. }%
10738 \eject \fb@adjheight \fb@put@frame#1#2%
10739 \else % there's appreciable room left on the page
10740 \fb@sizeofframe#1%
10741 | \message{\string\pagetotal=\the\pagetotal,
10742 | \string\pagegoal=\the\pagegoal,
10743 | \string\pagestretch=\the\pagestretch,
10744 | \string\pageshrink=\the\pageshrink,
10745 | \string\fb@frh=\the\fb@frh. \space}
10746 | \message{^^JBox of size \the\ht\@tempboxa\space}%
10747 \begingroup % temporarily set \dimen@ to be...
10748 \advance\dimen@.8\pageshrink % maximum space available on page
10749 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10750 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10751 \expandafter\endgroup
10752 % expand \ifdim, then restore \dimen@ to real room left on page
10753 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10754 | \message{fits in \the\dimen@. }%
10755 % ToDo: Change this to use vsplit anyway to capture the marks
10756 % MERGE THIS WITH THE else CLAUSE!!!
10757 \fb@putboxa#1%
10758 \fb@afterframe
10759 \else % box must be split
10760 | \message{must be split to fit in \the\dimen@. }%
10761 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10762 \fb@sizeofframe#2%
10763 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10764 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10765 \kern137sp\kern-137sp\penalty-30
10766 \unvbox\@tempboxa}%
10767 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10768 \splittopskip\the\splittopskip}%
10769 \boxmaxdepth\z@ \splittopskip\z@
10770 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10771 % Split box here
10772 \setbox\tw@vsplit\@tempboxa to\dimen@
10773 | \toks99\expandafter{\splitfirstmark}%

```



```

10774 | \toks98\expandafter{\splitbotmark}%
10775 | \message{Marks are: \the\toks99, \the\toks98. }%
10776 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10777 | \message{Natural height of split box is \the\ht\tw@, leaving
10778 | \the\ht\@tempboxa\space remainder. }%
10779 | % If the split-to size > (\vsize-\topskip), then set box to full size.
10780 | \begingroup
10781 | \advance\dimen@\topskip
10782 | \expandafter\endgroup
10783 | \ifdim\dimen@>\pagegoal
10784 | \message{Frame is big -- Use up the full column. }%
10785 | \dimen@ii\pagegoal
10786 | \advance\dimen@ii -\topskip
10787 | \advance\dimen@ii \FrameHeightAdjust\relax
10788 | \else % suspect this is implemented incorrectly:
10789 | % If the split-to size > feasible room_on_page, rebox it smaller.
10790 | \advance\dimen@.8\pageshrink
10791 | \ifdim\ht\tw@>\dimen@
10792 | \message{Box too tall; rebox it to \the\dimen@. }%
10793 | \dimen@ii\dimen@
10794 | \else % use natural size
10795 | \dimen@ii\ht\tw@
10796 | \fi
10797 | \fi
10798 | % Re-box contents to desired size \dimen@ii
10799 | \advance\dimen@ii -\fb@frh
10800 | \setbox\tw@\vbox to\dimen@ii \bgroup
10801 | % remove simulated frame and page flexibility:
10802 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10803 | \unvbox\tw@ \unpenalty\unpenalty
10804 | \ifdim\lastkern=-137sp % whole box went to next page
10805 | \message{box split at beginning! }%
10806 | % need work here???
10807 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10808 | \fb@adjheight
10809 | \fb@put@frame#1#2% INSERTED ???
10810 | \else % Got material split off at the head
10811 | \egroup \fb@resto@set
10812 | \ifvoid\@tempboxa % it all fit after all
10813 | \message{box split at end! }%
10814 | \setbox\@tempboxa\box\tw@
10815 | \fb@putboxa#1%
10816 | \fb@afterframe
10817 | \else % it really did split
10818 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10819 | \ifdim\wd\tw@>\z@
10820 | \wd\tw@\wd\@tempboxa
10821 | \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10822 | \else
10823 | \message{Zero width means likely blank. Don't frame it (guess)}%

```





```

10824             \box\tw@
10825             \fi
10826             \hrule \@height\z@ \@width\hsize
10827             \eject
10828             \fb@adjheight
10829             \fb@put@frame\LastFrameCommand\MidFrameCommand
10830 \fi\fi\fi\fi\fi
10831 }
10832 \def\fb@putboxa#1{%
10833 \ifvoid\@tempboxa
10834 \PackageWarning{framed}{Boxa is void -- discard it. }%
10835 \else
10836 | \message{Frame and place boxa. }%
10837 |   {%\showoutput\showbox\@tempboxa}%
10838   \centerline{#1{\hboxL{\box\@tempboxa}}}%
10839 \fi
10840 }
10841 \catcode`\|=\FrameRestore
10842 \def\FrameRestore{%
10843 \let\if@nobreak\iffalse
10844 \let\if@noskipsec\iffalse
10845 \let\-\@dischph
10846 \let'\@acci\let\'\@accii\let\=\@acciii
10847 % \message{FrameRestore:
10848 %   \@totalleftmargin=\the \@totalleftmargin,
10849 %   \rightmargin=\the\rightmargin,
10850 %   \@listdepth=\the\@listdepth. }%
10851 % Test if we are in a list (or list-like paragraph)
10852 \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10853       \ifdim\rightmargin>\z@ 1\fi
10854       \ifnum\@listdepth>\z@ 1\fi 0>\z@
10855 %   \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10856 %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10857 %   \labelwidth=\the\labelwidth. }%
10858 % \setminipage % snug fit around the item
10859 % Now try to propagate changes of width from \hsize to list parameters.
10860 % This is deficient, but a more advanced way to indicate modification to text
10861 % dimensions is not (yet) provided; in particular, no separate left/right
10862 % adjustment.
10863 \advance\linewidth-\columnwidth \advance\linewidth\hsize
10864 \parshape@one \@totalleftmargin \linewidth
10865 \else % Not in list
10866 \linewidth=\hsize
10867 %\message{No list, set \string\linewidth=\the\hsize. }%
10868 \fi
10869 \sloppy
10870 }

```

## 7.66 ftnright-xetex-bidi.def



```

10871 \ProvidesFile{ftnright-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for ftnright package for
10872
10873 \def\LTR@outputdblcol{%
10874   \if@firstcolumn
10875     \global\@firstcolumnfalse
10876     \global\setbox\@leftcolumn\copy\@outputbox
10877     \global\count\footins\@m
10878     \global\skip\footins\rcol@footinsskip
10879     \splitmaxdepth\maxdimen
10880     \vbadness\maxdimen
10881     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10882     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10883     \toks@expandafter{\topmark}%
10884     \xdef\@firstcoltopmark{\the\toks@}%
10885     \toks@expandafter{\splitfirstmark}%
10886     \xdef\@firstcolfirstmark{\the\toks@}%
10887     \ifx\@firstcolfirstmark\@empty
10888       \global\let\@setmarks\relax
10889     \else
10890       \gdef\@setmarks{%
10891         \let\firstmark\@firstcolfirstmark
10892         \let\topmark\@firstcoltopmark}%
10893     \fi
10894   \else
10895     \preparefootins
10896     \global\@firstcolumntrue
10897     \setbox\@outputbox\vbox{%
10898       \hb@xt@\textwidth{%
10899         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10900         \hfil
10901         {\normalcolor\vrule \@width\columnseprule}%
10902         \hfil
10903         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10904     \@combinedblfloats
10905     \@setmarks
10906     \@outputpage
10907     \begingroup
10908       \@dblfloatplacement
10909       \@startdblcolumn
10910       \@whilesw\if@colmade \fi{\@outputpage
10911         \@startdblcolumn}%
10912     \endgroup
10913   \fi}%
10914
10915
10916
10917 \def\RTL@outputdblcol{%
10918   \if@firstcolumn
10919     \global\@firstcolumnfalse
10920     \global\setbox\@leftcolumn\copy\@outputbox

```



```

10921 \global\count\footins\@m
10922 \global\skip\footins\rcol@footinsskip
10923 \splitmaxdepth\maxdimen
10924 \vbadness\maxdimen
10925 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10926 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10927 \toks@\expandafter{\topmark}%
10928 \xdef\@firstcoltopmark{\the\toks@}%
10929 \toks@\expandafter{\splitfirstmark}%
10930 \xdef\@firstcolfirstmark{\the\toks@}%
10931 \ifx\@firstcolfirstmark\@empty
10932 \global\let\@setmarks\relax
10933 \else
10934 \gdef\@setmarks{%
10935 \let\firstmark\@firstcolfirstmark
10936 \let\topmark\@firstcoltopmark}%
10937 \fi
10938 \else
10939 \preparefootins
10940 \global\@firstcolumntrue
10941 \setbox\@outputbox\vbox{%
10942 \hb@xt@\textwidth{%
10943 \hskip \columnwidth
10944 \hfil
10945 {\normalcolor\vrule \@width\columnseprule}%
10946 \hfil
10947 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10948 \hskip -\textwidth
10949 \hb@xt@\columnwidth{\box\@outputbox \hss}%
10950 \hskip \columnsep
10951 \hskip \columnwidth }}%
10952 \@combinedblfloats
10953 \@setmarks
10954 \@outputpage
10955 \begingroup
10956 \@dblfloatplacement
10957 \@startdblcolumn
10958 \@whiles\if@fcolmade \fi{\@outputpage
10959 \@startdblcolumn}%
10960 \endgroup
10961 \fi}%
10962
10963
10964
10965 \let\leftfootnoterule\@empty
10966 \let\rightfootnoterule\@empty
10967 \let\textwidthfootnoterule\@empty
10968 \let\autofootnoterule\@empty
10969 \let\footnoterule\@empty
10970 \long\def\@makefntext#1{\parindent 1em

```



```

10971 \noindent\hbox to 2em{}%
10972 \llap{\@thefnmark\hbox{.}\,\,\,}\#1}

```

## 7.67 graphicx-xetex-bidi.def

```

10973 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
10974 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10975   \Grot@setangle{#1}%
10976   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
10977   \Grot@x\z@
10978   \Grot@y\z@
10979   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10980 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10981   \leavevmode
10982   \def\Gscale@x{#1}\def\Gscale@y{#2}%
10983   \setbox\z@\hbox{\{#3\}}%
10984   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10985   \ifdim#2\p@<\z@
10986     \ht\tw@-#2\dp\z@
10987     \dp\tw@-#2\ht\z@
10988   \else
10989     \ht\tw@#2\ht\z@
10990     \dp\tw@#2\dp\z@
10991   \fi
10992   \ifdim#1\p@<\z@
10993     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10994   \else
10995     \wd\tw@#1\wd\z@
10996     \box\tw@
10997   \fi\ifmmode\else\if@RTL\endL\fi\fi}
10998 \def\Gin@iii[#1,#2]#3,#4#5{%
10999   \begingroup
11000   \ifmmode\else\if@RTL\beginL\fi\fi
11001   \Gin@bboxtrue
11002   \Gin@defaultbp\Gin@llx{#1}%
11003   \Gin@defaultbp\Gin@lly{#2}%
11004   \Gin@defaultbp\Gin@urx{#3}%
11005   \Gin@defaultbp\Gin@ury{#4}%
11006   \Gin@include@graphics{#5}%
11007   \ifmmode\else\if@RTL\endL\fi\fi
11008   \endgroup}
11009 \def\Gin@ii[#1]#2{%
11010   \def\@tempa{[]}\def\@tempb{#2}%
11011   \ifx\@tempa\@tempb
11012     \def\@tempa{\Gin@iii[#1] []}%
11013     \expandafter\@tempa
11014   \else
11015     \begingroup
11016     \ifmmode\else\if@RTL\beginL\fi\fi
11017     \@tempswafalse

```



```

11018      \toks@{\Gininclude@graphics{#2}}}%
11019      \setkeys{Gin}{#1}%
11020      \Gin@esetsize
11021      \the\toks@
11022      \ifmmode\else\if@RTL\endL\fi\fi
11023  \endgroup
11024  \fi}
11025 \def\reflectbox{\bidiGscale@box-1[1]}
11026 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11027  \leavevmode
11028  \def\Gscale@x{#1}\def\Gscale@y{#2}%
11029  \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11030  \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11031  \ifdim#2\p<\z@
11032    \ht\tw@-#2\dp\z@
11033    \dp\tw@-#2\ht\z@
11034  \else
11035    \ht\tw@#2\ht\z@
11036    \dp\tw@#2\dp\z@
11037  \fi
11038  \ifdim#1\p<\z@
11039    \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11040  \else
11041    \wd\tw@#1\wd\z@
11042    \box\tw@
11043  \fi\ifmmode\else\if@RTL\endL\fi\fi}
11044 \def\scalebox#1{%
11045  \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
11046 \def\resizebox{%
11047  \leavevmode
11048  \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11049 \def\bidiGscale@@box#1#2#3{%
11050  \let\@tempa\Gin@exclamation
11051  \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11052  \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11053  \ifx\@tempb\@tempa
11054    \ifx\@tempc\@tempa
11055      \toks@{\mbox}%
11056    \else
11057      \toks@{\bidiGscale@box@dd{#3}#1}%
11058    \fi
11059  \else
11060    \ifx\@tempc\@tempa
11061      \toks@{\bidiGscale@box@dd{#2}\width}%
11062    \else
11063      \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11064    \fi
11065  \fi
11066  \the\toks@}
11067 \long\def\bidiGscale@box@dd#1#2#3{%

```



```

11068 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
11069 \setlength\@tempdima{#1}%
11070 \setlength\@tempdimb{#2}%
11071 \Gscale@div\@tempa\@tempdima\@tempdimb
11072 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11073 \@end@tempboxa}
11074 \long\def\bidigscale@box@dddd#1#2#3#4#5{%
11075 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
11076 \setlength\@tempdima{#1}%
11077 \setlength\@tempdimb{#2}%
11078 \Gscale@div\@tempa\@tempdima\@tempdimb
11079 \setlength\@tempdima{#3}%
11080 \setlength\@tempdimb{#4}%
11081 \Gscale@div\@tempb\@tempdima\@tempdimb
11082 \ifGin@iso
11083 \ifdim\@tempa\p@>\@tempb\p@
11084 \let\@tempa\@tempb
11085 \else
11086 \let\@tempb\@tempa
11087 \fi
11088 \fi
11089 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11090 \@end@tempboxa}

```

## 7.68 geometry-xetex-bidi.def

```

11091 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
11092 \renewcommand*{\Gm@vrules@mpi}{%
11093 \if@RTLmain%
11094 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11095 \llap{\Gm@vrule}\ignorespaces
11096 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11097 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11098 \else%
11099 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11100 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11101 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11102 \renewcommand*{\Gm@vrules@mpii}{%
11103 \if@RTLmain%
11104 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11105 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11106 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11107 \else%
11108 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11109 \llap{\Gm@vrule}\ignorespaces
11110 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11111 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11112

```

## 7.69 hvfloat-xetex-bidi.def



```

11113 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
11114 \def\do@hvFloat[#1]#2#3{%
11115 \def\hv@shortCap{#1}
11116 \def\hv@longCap{#2}
11117 \def\hv@label{#3}
11118 %\newcommand*{\hvFloat}[5][[]]{%
11119 % [#1]: keyvalues
11120 % #2: type figure | table | ...
11121 % #3: float contents
11122 % [#4]: short caption
11123 % #5: caption
11124 % #6: label
11125 % \setDefaults%
11126 % \def\@tempa{#1}%
11127 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11128 \def\@tempa{90}%
11129 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11130 \else \setlength{\hvMaxCapWidth}{\linewidth}
11131 \fi
11132 %
11133 % First we save the object in \hvObjectBox
11134 %
11135 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11136 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11137 \else
11138 \savebox{\hvObjectBox}{%
11139 \rotatebox{\hvSet@objectAngle}{%
11140 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11141 \fi
11142 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11143 %
11144 % Now we save the caption with its defined \hvCapWidth
11145 %
11146 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11147 \else
11148 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11149 \else
11150 \setlength{\hvCapWidth}{\hvObjectWidth}
11151 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11152 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11153 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11154 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11155 \else
11156 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11157 \fi
11158 \fi
11159 \fi
11160 %
11161 % now we have the object and the caption with the right
11162 % rotated angles saved in boxes

```



```

11163 %
11164 \def\fps@figure{\hvSet@floatPos}
11165 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11166 \else \begin{\hv@floatType}% Start the floating environment
11167 \fi%
11168 \saveCaptionSkip% we put this space ourselves
11169 \ifx\hvSet@capAngle\hv@Width % need rotation?
11170 \sbox{\hvCaptionBox}{%
11171 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11172 \ifhv@nonFloat%
11173 \ifhv@onlyText#2%
11174 \else%
11175 \ifx\hv@floatType\hv@figure
11176 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
11177 \else
11178 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
11179 \fi
11180 \fi
11181 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
11182 \fi%
11183 \label{#3}%
11184 \end{minipage}%
11185 }%
11186 \else%
11187 \sbox{\hvCaptionBox}{%
11188 \rotatebox{\hvSet@capAngle}{%
11189 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11190 \ifhv@nonFloat%
11191 \ifhv@onlyText#2%
11192 \else%
11193 \ifx\hv@floatType\hv@figure
11194 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
11195 \else
11196 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
11197 \fi
11198 \fi
11199 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
11200 \fi%
11201 \label{#3}%
11202 \end{minipage}%
11203 }%
11204 }%
11205 \fi%
11206 %%
11207 \restoreCaptionSkip% save old values
11208 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11209 \else%
11210 \ifx\hvSet@objectPos\hv@Center
11211 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11212 \fi%

```





```

11213 \fi%
11214 %
11215 % to rotate object and caption together, we save all in another box
11216 % the caption comes first, if its on the left or the top
11217 %
11218 \savebox{\@tempboxa}{%
11219 \ifx\hvSet@capPos\hv@Left % caption on left side
11220 \if@RTL%
11221 \ifx\hvSet@capVPos\hv@Center%
11222 \ifhv@fbox
11223 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11224 \else
11225 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11226 \fi%
11227 \hspace{\hvSet@floatCapSep pt}%
11228 \ifhv@fbox
11229 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11230 \else
11231 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11232 \fi%
11233 \else%
11234 \ifx\hvSet@capVPos\hv@Top
11235 \ifhv@fbox
11236 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11237 \else
11238 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11239 \fi%
11240 \hspace{\hvSet@floatCapSep pt}%
11241 \ifhv@fbox
11242 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11243 \else
11244 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11245 \fi
11246 \else
11247 \ifhv@fbox
11248 \fbox{\usebox{\hvObjectBox}}%
11249 \else
11250 \usebox{\hvObjectBox}%
11251 \fi
11252 \hspace{\hvSet@floatCapSep pt}%
11253 \ifhv@fbox
11254 \fbox{\usebox{\hvCaptionBox}}%
11255 \else
11256 \usebox{\hvCaptionBox}%
11257 \fi%
11258 \fi%
11259 \fi%
11260 \else% not RTL
11261 \ifx\hvSet@capVPos\hv@Center%
11262 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%

```



```

11263     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11264     \fi%
11265     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11266     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11267     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
11268     \fi%
11269 \else%
11270 \ifx\hvSet@capVPos\hv@Top % caption at top
11271 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11272 \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11273 \fi
11274 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11275 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11276 \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
11277 \fi%
11278 \else% caption on bottom
11279 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11280 \else\usebox{\hvCaptionBox}
11281 \fi%
11282 \hspace{\hvSet@floatCapSep pt}%
11283 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11284 \else      \usebox{\hvObjectBox}
11285 \fi%
11286 \fi%
11287 \fi% end of RTL
11288 \fi%
11289 \else
11290 \ifx\hvSet@capPos\hv@Top
11291 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11292 \begin{minipage}{\wd\hvCaptionBox}
11293 \else
11294 \begin{minipage}{\wd\hvObjectBox}
11295 \fi
11296 \centering
11297 \ifhv@fbox
11298 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11299 \fbbox{\usebox{\hvObjectBox}}
11300 \else
11301 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11302 \usebox{\hvObjectBox}
11303 \fi%
11304 \end{minipage}
11305 \else
11306 \ifx\hvSet@capPos\hv@Bottom
11307 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11308 \begin{minipage}{\wd\hvCaptionBox}
11309 \else
11310 \begin{minipage}{\wd\hvObjectBox}
11311 \fi
11312 \centering

```



```

11313 \ifhv@fbox
11314 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11315 \fbox{\usebox{\hvCaptionBox}}
11316 \else
11317 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11318 \usebox{\hvCaptionBox}
11319 \fi%
11320 \end{minipage}
11321 \else% the last option: put the caption on the right
11322 \ifRTL%
11323 \ifx\hvSet@capVPos\hv@Center%
11324 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11325 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11326 \fi%
11327 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11328 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11329 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
11330 \fi%
11331 \else%
11332 \ifx\hvSet@capVPos\hv@Top % caption at top
11333 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11334 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11335 \fi
11336 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11337 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11338 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11339 \fi%
11340 \else% caption on bottom
11341 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
11342 \else\usebox{\hvCaptionBox}
11343 \fi%
11344 \hspace{\hvSet@floatCapSep pt}%
11345 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
11346 \else \usebox{\hvObjectBox}
11347 \fi%
11348 \fi%
11349 \fi%
11350 \else% not RTL
11351 \ifx\hvSet@capVPos\hv@Center%
11352 \ifhv@fbox
11353 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11354 \else
11355 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11356 \fi%
11357 \hspace{\hvSet@floatCapSep pt}%
11358 \ifhv@fbox
11359 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11360 \else
11361 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11362 \fi%

```



```

11363 \else%
11364 \ifx\hvSet@capVPos\hv@Top
11365 \ifhv@fbox
11366 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11367 \else
11368 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11369 \fi%
11370 \hspace{\hvSet@floatCapSep pt}%
11371 \ifhv@fbox
11372 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11373 \else
11374 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11375 \fi
11376 \else
11377 \ifhv@fbox
11378 \fbox{\usebox{\hvObjectBox}}%
11379 \else
11380 \usebox{\hvObjectBox}%
11381 \fi
11382 \hspace{\hvSet@floatCapSep pt}%
11383 \ifhv@fbox
11384 \fbox{\usebox{\hvCaptionBox}}%
11385 \else
11386 \usebox{\hvCaptionBox}%
11387 \fi%
11388 \fi%
11389 \fi
11390 \fi% end of RTL
11391 \fi
11392 \fi
11393 \fi
11394 }% End savebox Object and caption
11395 %
11396 % now we rotate the object and caption, if needed
11397 %
11398 \ifx\hvSet@rotAngle\hv@Zero
11399 \usebox{\@tempboxa}
11400 \else
11401 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11402 \fi
11403 \ifhv@nonFloat
11404 \ifx\hvSet@objectPos\hv@Center
11405 \ifhv@nonFloat
11406 \hspace{\fill}
11407 \fi
11408 \fi
11409 \endgroup% End the nonfloat part
11410 \else
11411 \end{\hv@floatType}% End the floating environment
11412 \fi

```



```
11413 }
```

## 7.70 hyperref-xetex-bidi.def

```
11414 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package for
11415 \AtBeginDocument{%
11416 \def\contentsline#1#2#3#4{%
11417   \ifx\#4\%
11418     \csname l@#1\endcsname{#2}{#3}%
11419   \else
11420     \ifcase\Hy@linktoc % none
11421       \csname l@#1\endcsname{#2}{#3}%
11422     \or % section
11423       \csname l@#1\endcsname{%
11424         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11425       }{#3}%
11426     \or % page
11427       \csname l@#1\endcsname{#2}{#3}{%
11428         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11429       }%
11430     \else % all
11431       \csname l@#1\endcsname{%
11432         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11433       }{%
11434         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11435       }%
11436     \fi
11437   \fi
11438 }
11439 \ifHy@hyperfootnotes
11440   \let\H@@footnotetext\@footnotetext
11441   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11442   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11443   \def\@xfootnotenext[#1]{%
11444     \begingroup
11445       \csname c@\@mpfn\endcsname #1\relax
11446       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11447     \endgroup
11448     \ifx\@footnotetext\@mpfootnotetext
11449       \expandafter\H@@mpfootnotetext
11450     \else
11451       \expandafter\H@@footnotetext
11452     \fi
11453   }%
11454   \def\@xRTLfootnotenext[#1]{%
11455     \begingroup
11456       \csname c@\@mpfn\endcsname #1\relax
11457       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11458     \endgroup
11459     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
```



```

11460     \expandafter\HRTL@mpRTLfootnotetext
11461     \else
11462     \expandafter\HRTL@RTLfootnotetext
11463     \fi
11464 }%
11465 \def\xLTRfootnotenext[#1]{%
11466 \begingroup
11467   \csname c@\mpfn\endcsname #1\relax
11468   \unrestored@protected@xdef\@thefnmark{\thempfn}%
11469 \endgroup
11470 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
11471   \expandafter\HLTR@mpLTRfootnotetext
11472 \else
11473   \expandafter\HLTR@LTRfootnotetext
11474 \fi
11475 }%
11476 \def\xfootnotemark[#1]{%
11477 \begingroup
11478   \c@footnote #1\relax
11479   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11480 \endgroup
11481 \H@@footnotemark
11482 }%
11483 \let\H@mpfootnotetext\mpfootnotetext
11484 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
11485 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11486 \long\def\@mpfootnotetext#1{%
11487   \H@mpfootnotetext{%
11488     \ifHy@nesting
11489       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11490     \else
11491       \Hy@raisedlink{%
11492         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11493       }#1%
11494     \fi
11495   }%
11496 }%
11497 \long\def\@mpRTLfootnotetext#1{%
11498   \HRTL@mpRTLfootnotetext{%
11499     \ifHy@nesting
11500       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11501     \else
11502       \Hy@raisedlink{%
11503         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11504       }#1%
11505     \fi
11506   }%
11507 }%
11508 \long\def\@mpLTRfootnotetext#1{%
11509   \HLTR@mpLTRfootnotetext{%

```



```

11510     \ifHy@nesting
11511         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11512     \else
11513         \Hy@raisedlink{%
11514             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11515         }#1%
11516     \fi
11517 }%
11518 }%
11519 \long\def\@footnotetext#1{%
11520 \H@@footnotetext{%
11521     \ifHy@nesting
11522         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11523     \else
11524         \Hy@raisedlink{%
11525             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11526         }%
11527         \let\@currentHlabel\Hy@footnote@currentHlabel
11528         \let\@currentHref\Hy@footnote@currentHref
11529         \let\@currentlabelname\@empty
11530         #1%
11531     \fi
11532 }%
11533 }%
11534 \long\def\@RTLfootnotetext#1{%
11535 \HRTL@@RTLfootnotetext{%
11536     \ifHy@nesting
11537         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11538     \else
11539         \Hy@raisedlink{%
11540             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11541         }%
11542         \let\@currentHlabel\Hy@footnote@currentHlabel
11543         \let\@currentHref\Hy@footnote@currentHref
11544         \let\@currentlabelname\@empty
11545         #1%
11546     \fi
11547 }%
11548 }%
11549 \long\def\@LTRfootnotetext#1{%
11550 \HLTR@@LTRfootnotetext{%
11551     \ifHy@nesting
11552         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11553     \else
11554         \Hy@raisedlink{%
11555             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11556         }%
11557         \let\@currentHlabel\Hy@footnote@currentHlabel
11558         \let\@currentHref\Hy@footnote@currentHref
11559         \let\@currentlabelname\@empty

```



```

11560      #1%
11561      \fi
11562    }%
11563  }%
11564    \@ifpackageloaded{tabularx}{%
11565      \let\HyOrg@TX@endtabularx\TX@endtabularx
11566      \def\Hy@tabularx@hook{%
11567        \let\@footnotetext\H@@footnotetext
11568        \let\@LTRfootnotetext\HLTR@\@LTRfootnotetext
11569        \let\@RTLfootnotetext\HRTL@\@RTLfootnotetext
11570        \let\@footnotemark\H@@footnotemark
11571        \let\@mpfootnotetext\H@@mpfootnotetext
11572        \let\@mplTRfootnotetext\HLTR@\@mplTRfootnotetext
11573        \let\@mpRTLfootnotetext\HRTL@\@mpRTLfootnotetext
11574      }%
11575      \begingroup
11576        \toks@\expandafter{\TX@endtabularx}%
11577        \xdef\Hy@gtemp{%
11578          \noexpand\Hy@tabularx@hook
11579          \the\toks@
11580        }%
11581      \endgroup
11582      \let\TX@endtabularx\Hy@gtemp
11583    }{}%
11584    \@ifpackageloaded{longtable}{%
11585      \CheckCommand*{\LT@p@LTRftntext}[1]{%
11586        \edef\@tempa{%
11587          \the\LT@p@ftn
11588          \noexpand\LTRfootnotetext[\the\c@footnote]}%
11589      }%
11590      \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11591    }%
11592    \long\def\LT@p@LTRftntext#1{%
11593      \edef\@tempa{%
11594        \the\LT@p@ftn
11595        \begingroup
11596          \noexpand\c@footnote=\the\c@footnote\relax
11597          \noexpand\protected@xdef\noexpand\@thefnmark{%
11598            \noexpand\thempfn
11599          }%
11600          \noexpand\Hy@LT@LTRfootnotetext{%
11601            \Hy@footnote@currentHref
11602          }%
11603        }%
11604        \global\LT@p@ftn\expandafter{%
11605          \@tempa{#1}%
11606        \endgroup
11607      }%
11608    }%
11609    \long\def\Hy@LT@LTRfootnotetext#1#2{%

```





```

11610 \HLTR@@LTRfootnotetext{%
11611 \ifHy@nesting
11612 \hyper@@anchor{#1}{#2}%
11613 \else
11614 \Hy@raisedlink{%
11615 \hyper@@anchor{#1}{\relax}%
11616 }%
11617 \def\@currentHref{#1}%
11618 \let\@currentlabelname\@empty
11619 #2%
11620 \fi
11621 }%
11622 }%
11623 \CheckCommand*\LT@p@RTLftntext}[1]{%
11624 \edef\@tempa{%
11625 \the\LT@p@ftn
11626 \noexpand\RTLfootnotetext[\the\c@footnote]%
11627 }%
11628 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11629 }%
11630 \long\def\LT@p@RTLftntext#1{%
11631 \edef\@tempa{%
11632 \the\LT@p@ftn
11633 \begingroup
11634 \noexpand\c@footnote=\the\c@footnote\relax
11635 \noexpand\protected@xdef\noexpand\@thefnmark{%
11636 \noexpand\thempfn
11637 }%
11638 \noexpand\Hy@LT@RTLfootnotetext{%
11639 \Hy@footnote@currentHref
11640 }%
11641 }%
11642 \global\LT@p@ftn\expandafter{
11643 \@tempa{#1}%
11644 \endgroup
11645 }%
11646 }%
11647 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11648 \HRTL@@RTLfootnotetext{%
11649 \ifHy@nesting
11650 \hyper@@anchor{#1}{#2}%
11651 \else
11652 \Hy@raisedlink{%
11653 \hyper@@anchor{#1}{\relax}%
11654 }%
11655 \def\@currentHref{#1}%
11656 \let\@currentlabelname\@empty
11657 #2%
11658 \fi
11659 }%

```



```

11660 }%
11661 }{}%
11662 \@ifpackageloaded{bidipoem}{%
11663 \long\def\bidipoem@p@ftntext#1{%
11664 \edef\@tempxi{%
11665 \the\bidipoem@p@ftn
11666 \beginingroup
11667 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11668 \noexpand\protected@xdef\noexpand\@thefnmark{%
11669 \noexpand\thempfn
11670 }%
11671 \noexpand\Hy@bidipoem@footnotetext{%
11672 \Hy@footnote@currentHref
11673 }%
11674 }%
11675 \global\bidipoem@p@ftn\expandafter{%
11676 \@tempxi{#1}%
11677 \endgroup
11678 }%
11679 }%
11680 \long\def\Hy@bidipoem@footnotetext#1#2{%
11681 \H@@footnotetext{%
11682 \ifHy@nesting
11683 \hyper@@anchor{#1}{#2}%
11684 \else
11685 \Hy@raisedlink{%
11686 \hyper@@anchor{#1}{\relax}%
11687 }%
11688 \def\@currentHref{#1}%
11689 \let\@currentlabelname\@empty
11690 #2%
11691 \fi
11692 }%
11693 }%
11694 \long\def\bidipoem@p@LTRftntext#1{%
11695 \edef\@tempxi{%
11696 \the\bidipoem@p@ftn
11697 \beginingroup
11698 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11699 \noexpand\protected@xdef\noexpand\@thefnmark{%
11700 \noexpand\thempfn
11701 }%
11702 \noexpand\Hy@bidipoem@LTRfootnotetext{%
11703 \Hy@footnote@currentHref
11704 }%
11705 }%
11706 \global\bidipoem@p@ftn\expandafter{%
11707 \@tempxi{#1}%
11708 \endgroup
11709 }%

```



```

11710 }%
11711 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11712   \HLTR@LTRfootnotetext{%
11713     \ifHy@nesting
11714       \hyper@@anchor{#1}{#2}%
11715     \else
11716       \Hy@raisedlink{%
11717         \hyper@@anchor{#1}{\relax}%
11718       }%
11719       \def\@currentHref{#1}%
11720       \let\@currentlabelname\@empty
11721       #2%
11722     \fi
11723   }%
11724 }%
11725 \long\def\bidipoem@p@RTLftntext#1{%
11726   \edef\@tempxi{%
11727     \the\bidipoem@p@ftn
11728     \begingroup
11729     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11730     \noexpand\protected@xdef\noexpand\@thefnmark{%
11731       \noexpand\thempfn
11732     }%
11733     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11734       \Hy@footnote@currentHref
11735     }%
11736   }%
11737   \global\bidipoem@p@ftn\expandafter{%
11738     \@tempxi{#1}%
11739   \endgroup
11740 }%
11741 }%
11742 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11743   \HRTL@RTLfootnotetext{%
11744     \ifHy@nesting
11745       \hyper@@anchor{#1}{#2}%
11746     \else
11747       \Hy@raisedlink{%
11748         \hyper@@anchor{#1}{\relax}%
11749       }%
11750       \def\@currentHref{#1}%
11751       \let\@currentlabelname\@empty
11752       #2%
11753     \fi
11754   }%
11755 }%
11756 }{}%
11757 \let\HyOrg@maketitle\maketitle
11758 \def\maketitle{%
11759   \let\Hy@saved@footnotemark\@footnotemark

```



```

11760 \let\Hy@samed@footnotetext\@footnotetext
11761 \let\HyRTL@samed@RTLfootnotetext\@RTLfootnotetext
11762 \let\HyLTR@samed@LTRfootnotetext\@LTRfootnotetext
11763 \let\@footnotemark\H@@footnotemark
11764 \let\@footnotetext\H@@footnotetext
11765 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11766 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11767 \@ifnextchar[\Hy@maketitle@optarg{% ]
11768 \HyOrg@maketitle
11769 \Hy@maketitle@end
11770 }%
11771 }%
11772 \def\Hy@maketitle@optarg[#1]{%
11773 \HyOrg@maketitle[{#1}]%
11774 \Hy@maketitle@end
11775 }%
11776 \def\Hy@maketitle@end{%
11777 \ifx\@footnotemark\H@@footnotemark
11778 \let\@footnotemark\Hy@samed@footnotemark
11779 \fi
11780 \ifx\@footnotetext\H@@footnotetext
11781 \let\@footnotetext\Hy@samed@footnotetext
11782 \fi
11783 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11784 \let\@RTLfootnotetext\HyRTL@samed@RTLfootnotetext
11785 \fi
11786 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11787 \let\@LTRfootnotetext\HyLTR@samed@LTRfootnotetext
11788 \fi
11789 }%
11790 \def\realfootnote{%
11791 \@ifnextchar[\@xfootnote{%
11792 \stepcounter{\@mpfn}%
11793 \protected@xdef\@thefnmark{\thempfn}%
11794 \H@@footnotemark\H@@footnotetext
11795 }%
11796 }%
11797 \fi
11798 \def\Hy@BeginAnnot#1{%
11799 \ifmmode\else\beginL\fi%
11800 \stepcounter{Hy@AnnotLevel}%
11801 \ifnum\value{Hy@AnnotLevel}=\@ne
11802 #1%
11803 \fi
11804 }
11805 \def\Hy@endAnnot{%
11806 \ifnum\value{Hy@AnnotLevel}=\@ne
11807 \Hy@endcolorlink
11808 \@pdfm@mark{eann}%
11809 \fi

```



```

11810 \addtocounter{Hy@AnnotLevel}\m@ne
11811 \ifmmode\else\endL\fi%
11812 }
11813 \def\hyper@link#1#2#3{%
11814 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\H
11815 }
11816 \def\hyper@linkfile#1#2#3{%
11817 \leavevmode
11818 \Hy@BeginAnnot{%
11819 \def\Hy@pstringF{#2}%
11820 \Hy@CleanupFile\Hy@pstringF
11821 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
11822 \Hy@pstringdef\Hy@pstringD{#3}%
11823 \Hy@MakeRemoteAction
11824 \@pdfm@mark{%
11825 bann<<%
11826 /Type/Annot%
11827 /Subtype/Link%
11828 \ifHy@pdfa /F 4\fi
11829 \Hy@setpdfborder
11830 \ifx\@filebordercolor\relax
11831 \else
11832 /C[\@filebordercolor]%
11833 \fi
11834 /A<<%
11835 /S/GoToR%
11836 /F(\Hy@pstringF)%
11837 /D%
11838 \ifx\#3\%
11839 [\Hy@href@page\@pdfremotestartview]%
11840 \else
11841 (\Hy@pstringD)%
11842 \fi
11843 \Hy@SetNewWindow
11844 \Hy@href@nextactionraw
11845 >>%
11846 >>%
11847 }%
11848 \Hy@colorlink\@filecolor
11849 }%
11850 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11851 \Hy@endAnnot
11852 }
11853 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
11854 \leavevmode
11855 \Hy@BeginAnnot{%
11856 \Hy@pstringdef\Hy@pstringF{#1}%
11857 \Hy@pstringdef\Hy@pstringP{#3}%
11858 \@pdfm@mark{%
11859 bann<<%

```



```

11860         /Type/Annot%
11861         /Subtype/Link%
11862         \ifHy@pdfa /F 4\fi
11863         \Hy@setpdfborder
11864         \ifx\@runbordercolor\relax
11865         \else
11866         /C[\@runbordercolor]%
11867         \fi
11868         /A<<%
11869         /F(\Hy@pstringF)%
11870         /S/Launch%
11871         \Hy@SetNewWindow
11872         \ifx\#3\%
11873         \else
11874         /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
11875         \fi
11876         \Hy@href@nextactionraw
11877         >>%
11878     >>%
11879 }%
11880 \Hy@colorlink\@runcolor
11881 }%
11882 \ifmmode\else\ifRTL\beginR\fi\fi#2\ifmmode\else\ifRTL\endR\fi\fi\Hy@xspace@end
11883 \Hy@endAnnot
11884 }
11885 \def\hyper@linkurl#1#2{%
11886     \leavevmode
11887     \Hy@BeginAnnot{%
11888         \Hy@pstringdef\Hy@pstringURI{#2}%
11889         \@pdfm@mark{%
11890             bann<<%
11891             /Type/Annot%
11892             /Subtype/Link%
11893             \ifHy@pdfa /F 4\fi
11894             \Hy@setpdfborder
11895             \ifx\@urlbordercolor\relax
11896             \else
11897             /C[\@urlbordercolor]%
11898             \fi
11899             /A<<%
11900             /S/URI%
11901             /URI(\Hy@pstringURI)%
11902             \ifHy@href@ismap
11903             /IsMap true%
11904             \fi
11905             \Hy@href@nextactionraw
11906             >>%
11907         >>%
11908     }%
11909     \Hy@colorlink\@urlcolor

```



```

11910 }%
11911 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11912 \Hy@EndAnnot
11913 }
11914 \def\Acrobatmenu#1#2{%
11915 \Hy@Acrobatmenu{#1}{#2}{%
11916 \Hy@BeginAnnot{%
11917 \EdefEscapeName\Hy@temp@menu{#1}%
11918 \@pdfm@mark{%
11919 bann<%
11920 /Type/Annot%
11921 /Subtype/Link%
11922 \ifHy@pdfa /F 4\fi
11923 \Hy@setpdfborder
11924 \ifx\@menubordercolor\relax
11925 \else
11926 /C[\@menubordercolor]%
11927 \fi
11928 /A<%
11929 /S/Named%
11930 /N/\Hy@temp@menu
11931 \Hy@href@nextactionraw
11932 >>%
11933 >>%
11934 }%
11935 \Hy@colorlink\@menucolor
11936 }%
11937 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11938 \Hy@EndAnnot
11939 }%
11940 }
11941 \def\hyper@natlinkstart#1{%
11942 \Hy@backout{#1}%
11943 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11944 \def\hyper@nat@current{#1}%
11945 }
11946 \def\hyper@natlinkend{%
11947 \if@RTL\endR\fi\hyper@linkend
11948 }
11949 \def\hyper@natlinkbreak#1#2{%
11950 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11951 }%
11952 }
11953 \pdfstringdefDisableCommands{%
11954 \let\LRE\@firstofone
11955 \let\LR\@firstofone
11956 \let\RLE\@firstofone
11957 \let\RL\@firstofone
11958 \def\XeTeX{Xe\TeX}
11959 \def\XeLaTeX{Xe\LaTeX}

```



```

11960 }
11961 \@ifpackageloaded{longtable}{%
11962   \begingroup
11963     \def\y{\LT@array}%
11964     \@ifundefined{scr@LT@array}{%
11965       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
11966     }{\def\y{\scr@LT@array}}%
11967     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11968       \expandafter\endgroup
11969       \expandafter\def\y[##1]##2{%
11970         \H@refstepcounter{#1}%
11971         \hyper@makecurrent{table}%
11972         \let\Hy@LT@currentHref\@currentHref
11973         #2\@sharp####4%
11974       }%
11975     }%
11976     \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
11977   \begingroup
11978     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11979     \endgroup
11980     \def\LT@start{%
11981       #1%
11982       \ifvoid\LT@foot#2\fi
11983       \let\@currentHref\Hy@LT@currentHref
11984       \Hy@raisedlink{%
11985         \hyper@anchorstart{\@currentHref}\hyper@anchorend
11986       }%
11987       #3%
11988     }%
11989   }%
11990   \expandafter\x\LT@start\@nil
11991 }{}

```

## 7.71 leqno-xetex-bidi.def

```

11992 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
11993 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
11994   \rlap{
11995     \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)}\

```

## 7.72 letter-xetex-bidi.def

```

11996 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class
11997 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
11998   \thispagestyle{firstpage}%
11999   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12000   \else % home address
12001     \thispagestyle{empty}%
12002     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12003       \fromaddress \*[2\parskip]%
12004       \@date \end{tabular}\par}%

```





```

12005 \fi
12006 \vspace{2\parskip}%
12007 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
12008 \vspace{2\parskip}%
12009 #1\par\nobreak}
12010 \renewcommand\left@footnoterule{%
12011 \kern-\p@
12012 \hrule \@width .4\columnwidth
12013 \kern .6\p@}
12014 \renewcommand\right@footnoterule{%
12015 \kern-\p@
12016 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12017 \kern .6\p@}

```

## 7.73 lettrine-xetex-bidi.def

```

12018 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for
12019 \def\@lettrine[#1]#2#3{%
12020 \setcounter{L@lines}{\theDefaultLines}%
12021 \setcounter{L@depth}{\theDefaultDepth}%
12022 \renewcommand*\L@hang{\DefaultLhang}%
12023 \renewcommand*\L@oversize{\DefaultLoversize}%
12024 \renewcommand*\L@raise{\DefaultLraise}%
12025 \renewcommand*\L@ante{\}%
12026 \setlength{\L@Findent}{\DefaultFindent}%
12027 \setlength{\L@Nindent}{\DefaultNindent}%
12028 \setlength{\L@slope}{\DefaultSlope}%
12029 \setlength{\L@novskip}{\DiscardVskip}%
12030 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12031 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12032 \if\DefaultOptionsFile\relax
12033 \else
12034 \begingroup
12035 \InputIfFileExists{\DefaultOptionsFile}%
12036 {}%
12037 {\PackageWarning{lettrine.sty}%
12038 {File \DefaultOptionsFile\space not found}%
12039 }%
12040 \def\color##1##{\l@color{##1}}%
12041 \let\l@color\@gobbletwo
12042 \def\textcolor##1##{\l@textcolor{##1}}%
12043 \def\l@textcolor##1##2##3{##3}%
12044 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12045 \gdef\l@LOKeys{%
12046 \else
12047 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12048 \fi
12049 \endgroup
12050 \def\KV@prefix{KV@L@}%
12051 \let\@tempc\relax

```



```

12052 \expandafter\KV@do\l@LOKeys,\relax,
12053 \sbox{\L@lbox}{\LettrineFont #2}%
12054 \setlength{\LettrineWidth}{\wd\L@lbox}%
12055 \def\KV@prefix{KV@L@}%
12056 \let\@tempc\relax
12057 \expandafter\KV@do\l@LOKeys,\relax,
12058 \fi
12059 \setkeys{L}{#1}%
12060 \ifL@image
12061 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12062 \else
12063 \sbox{\L@lbox}{\LettrineFont #2}%
12064 \fi
12065 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12066 \@tempdima=\baselineskip
12067 \ifnum\theL@lines=1
12068 \setlength{\L@first}{\ht\L@lbox}%
12069 \addtolength{\L@first}{-\ht\L@tbox}%
12070 \setlength{\L@lraise}{\z@}%
12071 \else
12072 \setlength{\L@first}{-\theL@lines\@tempdima}%
12073 \addtolength{\L@first}{\@tempdima}%
12074 \sbox{\@tempboxa}{\LettrineTextFont x}%
12075 \addtolength{\L@first}{-\ht\@tempboxa}%
12076 \setlength{\L@lraise}{-\L@raise\L@first}%
12077 \addtolength{\L@first}{\L@lraise}%
12078 \addtolength{\L@first}{\ht\L@lbox}%
12079 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12080 \addtolength{\L@lraise}{\@tempdima}%
12081 \fi
12082 \par
12083 \ifdim\L@first>\L@novskip
12084 \ifL@grid
12085 \@tempdima=\baselineskip
12086 \@tempdimb=\@tempdima
12087 \advance\@tempdimb by \L@novskip
12088 \@tempcnta=1
12089 \loop\ifdim\L@first>\@tempdimb
12090 \advance\@tempcnta by 1
12091 \advance\L@first by -\@tempdima
12092 \repeat
12093 \vskip\@tempcnta\baselineskip
12094 \else
12095 \vskip\L@first
12096 \fi
12097 \fi
12098 \setlength{\L@Pindent}{\wd\L@lbox}%
12099 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12100 \settowidth{\L@first}{\L@ante}%
12101 \addtolength{\L@Pindent}{\L@first}%

```



```

12102 \addtolength{\L@Pindent}{\L@Findent}%
12103 \setlength{\L@first}{\linewidth}%
12104 \addtolength{\L@first}{-\L@Pindent}%
12105 \addtolength{\L@Nindent}{\L@Pindent}%
12106 \setlength{\L@next}{\linewidth}%
12107 \addtolength{\L@next}{-\L@Nindent}%
12108 \addtolength{\L@Pindent}{\rightmargin}%
12109 \addtolength{\L@Nindent}{\rightmargin}%
12110 \setlength{\LettrineWidth}{\wd\L@lbox}%
12111 \setlength{\LettrineHeight}{\ht\L@lbox}%
12112 \setlength{\LettrineDepth}{\dp\L@lbox}%
12113 \addtocounter{L@lines}{1}%
12114 \addtocounter{L@lines}{\the\c@L@depth}%
12115 \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin
12116 \@tempcnta=\tw@
12117 \@whilenum \@tempcnta<\c@L@lines\do{%
12118 \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\
12119 \addtolength{\L@Nindent}{\L@slope}%
12120 \addtolength{\L@next}{-\L@slope}%
12121 \advance\@tempcnta\@ne}%
12122 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
12123 \noindent
12124 \parshape=\L@parshape\relax
12125 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12126 \hskip \the\L@Findent}}%
12127 \usebox{\L@tbox}%
12128 }

```

## 7.74 listings-xetex-bidi.def

```

12129 \ProvidesFile{listings-xetex-bidi.def}[2015/08/23 v0.9 bidi adaptations for listings package for
12130 \lst@Key{captiondirection}{textdirection}{%
12131 \lstKV@SwitchCases{#1}%
12132 {textdirection&\\%
12133 RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12134 LTR&\chardef\bidi@lst@caption@direction\z@%
12135 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12136 \newcommand*\bidi@lst@ensure@caption@direction[2]{%
12137 \ifundefined{bidi@lst@caption@direction}{-}{%
12138 \ifnum\bidi@lst@caption@direction=\z@%
12139 #1%
12140 \else%
12141 \ifnum\bidi@lst@caption@direction=\@ne%
12142 #2%
12143 \fi%
12144 \fi%
12145 }}
12146 \long\def\@bidi@lst@makecaption#1#2{%
12147 \vskip\abovecaptionskip
12148 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%

```



```

12149 \sbox\@tempboxa{%
12150 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12151 #1: #2%
12152 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12153 }%
12154 \ifdim \wd\@tempboxa >\hsize
12155 #1: #2\par
12156 \else
12157 \global \@minipagefalse
12158 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12159 \fi
12160 \vskip\belowcaptionskip}%
12161 \def\lst@makecaption{\@bidi@lst@makecaption}
12162 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12163 \bidi@patchcmd{\lst@MakeCaption}{%
12164 \ifx #1%
12165 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
12166 \expandafter\refstepcounter
12167 \fi {lstlisting}}%
12168 }{%
12169 \ifx #1%
12170 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12171 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
12172 \expandafter\refstepcounter
12173 \fi {lstlisting}}%
12174 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12175 }{}{}
12176 \bidi@patchcmd{\lst@MakeCaption}{%
12177 \addcontentsline{lol}{lstlisting}%
12178 {\protect\numberline{\thelstlisting}\lst@caption}}%
12179 }{%
12180 \begingroup%
12181 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12182 \addcontentsline{lol}{lstlisting}%
12183 {\protect\numberline{\thelstlisting}\lst@caption}}%
12184 \endgroup%
12185 }{}{}
12186 \AtBeginDocument{%
12187 \ifundefined{captionlabelfalse}{}{}%
12188 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
12189 \ifundefined{caption@startrue}{}{}%
12190 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
12191 }
12192 \AtBeginDocument{
12193 \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
12194 \lst@ifnumberbychapter
12195 \gdef\thelstlisting%
12196 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12197 \else
12198 \gdef\thelstlisting{\@arabic\c@lstlisting}

```



12199 \fi}

## 7.75 loadingorder-xetex-bidi.def

```
12200 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
12201 \bidi@isloaded{amsmath}
12202 \bidi@isloaded{amstext}
12203 \bidi@isloaded{amsthm}
12204 \bidi@isloaded{animate}
12205 \bidi@isloaded{breqn}
12206 \bidi@isloaded{cals}
12207 \bidi@isloaded{caption}
12208 \bidi@isloaded{crop}
12209 \bidi@isloaded{cuted}
12210 \bidi@isloaded{cutwin}
12211 \bidi@isloaded{color}
12212 \bidi@isloaded{dblfnote}
12213 \bidi@isloaded{xcolor}
12214 \bidi@isloaded{colortbl}
12215 \bidi@isloaded{float}
12216 \bidi@isloaded{floatrow}
12217 \bidi@isloaded{flowfram}
12218 \bidi@isloaded{framed}
12219 \bidi@isloaded{ftnright}
12220 \bidi@isloaded{xltextra}
12221 \bidi@isloaded{xunicode}
12222 \bidi@isloaded{wrapfig}
12223 \bidi@isloaded{graphicx}
12224 \bidi@isloaded{geometry}
12225 \bidi@isloaded{hvfloat}
12226 \bidi@isloaded{mdframed}
12227 \bidi@isloaded{midfloat}
12228 \bidi@isloaded{ntheorem}
12229 \bidi@isloaded{ntheorem-hyper}
12230 \bidi@isloaded{hyperref}
12231 \bidi@isloaded{fancybox}
12232 \bidi@isloaded{fancyhdr}
12233 \bidi@isloaded{fix2col}
12234 \bidi@isloaded{draftwatermark}
12235 \bidi@isloaded{empheq}
12236 \bidi@isloaded{overpic}
12237 \bidi@isloaded{pdfpages}
12238 \bidi@isloaded{listings}
12239 \bidi@isloaded{lettrine}
12240 \bidi@isloaded{media9}
12241 \bidi@isloaded{pstricks}
12242 \bidi@isloaded{pgf}
12243 \bidi@isloaded{picinpar}
12244 \bidi@isloaded{quotchap}
12245 \bidi@isloaded{tikz}
```



```

12246 \bidi@isloaded{titlesec}
12247 \bidi@isloaded{titletoc}
12248 \bidi@isloaded{array}
12249 \bidi@isloaded{soul}
12250 \bidi@isloaded{stabular}
12251 \bidi@isloaded{subfig}
12252 \bidi@isloaded{subfigure}
12253 \bidi@isloaded{supertabular}
12254 \bidi@isloaded{xtab}
12255 \bidi@isloaded{longtable}
12256 \bidi@isloaded{arydshln}
12257 \bidi@isloaded{multicol}
12258 \bidi@isloaded{multienum}
12259 \bidi@isloaded{minitoc}
12260 \bidi@isloaded{natbib}
12261 \bidi@isloaded{newfloat}
12262 \bidi@isloaded{ragged2e}
12263 \bidi@isloaded{rotating}
12264 \bidi@isloaded{tbls}
12265 \bidi@isloaded{tabulary}
12266 \bidi@isloaded{tocstyle}
12267 \bidi@isloaded{tocbibind}
12268 \bidi@isloaded{fontspec}
12269 \bidi@isloaded{arabxetex}
12270 \bidi@isloaded{polyglossia}
12271 \bidi@isloaded{fancyvrb}
12272 \AtBeginDocument{
12273   \if@bidi@amsmathloaded@ \else
12274     \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package amsmath after bidi package. P
12275   \fi%
12276   \if@bidi@amstextloaded@ \else
12277     \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package amstext after bidi package. P
12278   \fi%
12279   \if@bidi@amsthmloaded@ \else
12280     \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package amsthm after bidi package. P
12281   \fi%
12282   \if@bidi@animateloaded@ \else
12283     \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package animate after bidi package. P
12284   \fi%
12285   \if@bidi@breqnloaded@ \else
12286     \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package breqn after bidi package. Ple
12287   \fi%
12288   \if@bidi@calsloaded@ \else
12289     \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package cals after bidi package. Plea
12290   \fi%
12291   \if@bidi@captionloaded@ \else
12292     \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package caption after bidi package. P
12293   \fi%
12294   \if@bidi@croplloaded@ \else
12295     \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package crop after bidi package. Plea

```



```

12296 \fi%
12297 \if@bidi@colorloaded@else
12298 \@ifpackageloaded{hyperref}{}{%
12299 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package color after bidi package. Ple
12300 \fi%
12301 \if@bidi@cutwinloaded@else
12302 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package cutwin after bidi package. Pl
12303 \fi%
12304 \if@bidi@cutedloaded@else
12305 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package cuted after bidi package. Ple
12306 \fi%
12307 \if@bidi@dblfnoteloaded@else
12308 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package dblfnote after bidi package.
12309 \fi%
12310 \if@bidi@xcolorloaded@else
12311 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package xcolor after bidi package. Pl
12312 \fi%
12313 \if@bidi@colortblloaded@else
12314 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package colortbl after bidi package.
12315 \fi%
12316 \if@bidi@floatloaded@else
12317 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package float after bidi package. Ple
12318 \fi%
12319 \if@bidi@floatrowloaded@else
12320 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package floatrow after bidi package.
12321 \fi%
12322 \if@bidi@flowframloaded@else
12323 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package flowfram after bidi package.
12324 \fi%
12325 \if@bidi@framedloaded@else
12326 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package framed after bidi package. Pl
12327 \fi%
12328 \if@bidi@ftnrightloaded@else
12329 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package ftnright after bidi package.
12330 \fi%
12331 \if@bidi@xltxtraloaded@else
12332 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package xltxtra after bidi package. F
12333 \fi%
12334 \if@bidi@xunicodeloaded@else
12335 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package xunicode after bidi package.
12336 \fi%
12337 \if@bidi@wrapfigloaded@else
12338 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package wrapfig after bidi package. F
12339 \fi%
12340 \if@bidi@graphicxloaded@else
12341 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package graphicx after bidi package.
12342 \fi%
12343 \if@bidi@geometryloaded@else
12344 \bidi@isloaded[\PackageError{bidi}{0ops! you have loaded package geometry after bidi package.
12345 \fi%

```



```

12346 \if@bidi@hvfloatloaded@else
12347 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. P
12348 \fi%
12349 \if@bidi@mdframedloaded@else
12350 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
12351 \fi%
12352 \if@bidi@midfloatloaded@else
12353 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
12354 \fi%
12355 \if@bidi@ntheoremloaded@else
12356 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
12357 \fi%
12358 \if@bidi@hyperrefloaded@else
12359 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
12360 \fi%
12361 \if@bidi@fancyboxloaded@else
12362 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
12363 \fi%
12364 \if@bidi@fancyhdrloaded@else
12365 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
12366 \fi%
12367 \if@bidi@draftwatermarkloaded@else
12368 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
12369 \fi%
12370 \if@bidi@empheqloaded@else
12371 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. P
12372 \fi%
12373 \if@bidi@overpicloaded@else
12374 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package. P
12375 \fi%
12376 \if@bidi@pdfpagesloaded@else
12377 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
12378 \fi%
12379 \if@bidi@lettrineloaded@else
12380 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
12381 \fi%
12382 \if@bidi@listingsloaded@else
12383 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
12384 \fi%
12385 \csname if@bidi@media9loaded@endcsname\else
12386 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package. P
12387 \fi%
12388 \if@bidi@pstricksloaded@else
12389 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
12390 \fi%
12391 \if@bidi@pgfloaded@else
12392 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
12393 \fi%
12394 \if@bidi@picinparloaded@else
12395 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.

```





```

12396 \fi%
12397 \if@bidi@quotchaploaded@else
12398 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package. Plea
12399 \fi%
12400 \if@bidi@tikzloaded@else
12401 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Plea
12402 \fi%
12403 \if@bidi@titlesecloaded@else
12404 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
12405 \fi%
12406 \if@bidi@titletocloaded@else
12407 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
12408 \fi%
12409 \if@bidi@arrayloaded@else
12410 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
12411 \fi%
12412 \if@bidi@stabularloaded@else
12413 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
12414 \fi%
12415 \if@bidi@soulloaded@else
12416 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Plea
12417 \fi%
12418 \if@bidi@subfigloaded@else
12419 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. PL
12420 \fi%
12421 \if@bidi@subfigureloaded@else
12422 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
12423 \fi%
12424 \if@bidi@supertabularloaded@else
12425 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
12426 \fi%
12427 \if@bidi@xtabloaded@else
12428 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
12429 \fi%
12430 \if@bidi@longtableloaded@else
12431 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
12432 \fi%
12433 \if@bidi@arydshlnloaded@else
12434 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
12435 \fi%
12436 \if@bidi@multicolloaded@else
12437 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
12438 \fi%
12439 \if@bidi@multienumloaded@else
12440 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package
12441 \fi%
12442 \if@bidi@minitocloaded@else
12443 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. F
12444 \fi%
12445 \if@bidi@natbibloaded@else

```



```

12446 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. Pl
12447 \fi%
12448 \if@bidi@newfloatloaded@else
12449 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
12450 \fi%
12451 \csname if@bidi@ragged2loaded@endcsname\else
12452 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
12453 \fi%
12454 \if@bidi@rotatingloaded@else
12455 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
12456 \fi%
12457 \if@bidi@tblsloaded@else
12458 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package. Pl
12459 \fi%
12460 \if@bidi@tabularyloaded@else
12461 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
12462 \fi%
12463 \if@bidi@tocstyleloaded@else
12464 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
12465 \fi%
12466 \if@bidi@tocbibindloaded@else
12467 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
12468 \fi%
12469 \if@bidi@fontspecloaded@else
12470 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
12471 \fi%
12472 \if@bidi@arabxetexloaded@else
12473 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
12474 \fi%
12475 \if@bidi@polyglossialloaded@else
12476 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
12477 \fi%
12478 \if@bidi@fancyvrbloaded@else
12479 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
12480 \fi%
12481 }

```

## 7.76 longtable-xetex-bidi.def

```

12482 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package f
12483 \def\LT@array[#1]#2{%
12484 \refstepcounter{table}\stepcounter{LT@tables}%
12485 \if l#1%
12486 \if RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
12487 \else\if r#1%
12488 \if RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
12489 \else\if c#1%
12490 \LTleft\fill \LTright\fill
12491 \fi\fi\fi
12492 \let\LT@mcol\multicolumn

```



```

12493 \let\LT@@tabarray\@tabarray
12494 \let\LT@@hl\hline
12495 \def\@tabarray{%
12496   \let\hline\LT@@hl
12497   \LT@@tabarray}%
12498 \let\\LT@tabularcr\let\tabularnewline\\%
12499 \def\newpage{\noalign{\break}}%
12500 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
12501 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
12502 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
12503 \@tempdima\ht\strutbox
12504 \let\@endpbox\LT@endpbox
12505 \ifx\extrarowheight\@undefined
12506   \let\@acol\@tabacol
12507   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12508   \def\@startpbox{\vtop\LT@startpbox}%
12509   \let\@@startpbox\@startpbox
12510   \let\@@endpbox\@endpbox
12511   \let\LT@LL@FM@cr\@tabularcr
12512 \else
12513   \advance\@tempdima\extrarowheight
12514   \col@sep\tabcolsep
12515   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12516 \fi
12517 \setbox\@arstrutbox\hbox{\vrule
12518   \@height \arraystretch \@tempdima
12519   \@depth \arraystretch \dp \strutbox
12520   \@width \z@}%
12521 \let\@sharp##\let\protect\relax
12522 \begingroup
12523   \mkpream{#2}%
12524   \xdef\LT@bchunk{%
12525     \global\advance\c@LT@chunks\@ne
12526     \global\LT@rows\z@\setbox\z@\vbox\bgroup
12527     \LT@setprevdepth
12528     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12529     \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
12530 \endgroup
12531 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12532 \LT@make@row
12533 \m@th\let\par\@empty
12534 \everycr{}\lineskip\z@baselineskip\z@
12535 \LT@bchunk}
12536 \def\LT@makecaption#1#2#3{%
12537   \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
12538     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12539     \ifdim\wd\@tempboxa>\hsize
12540       #1{#2: }#3%
12541     \else
12542       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%

```



```

12543 \fi
12544 \endgraf\vskip\baselineskip}%
12545 \hss}}
12546 \ifpackageloaded{caption}{%
12547 \renewcommand\LT@makecaption[3]{%
12548 \caption@LT@make{%
12549 \caption@settype*\LTcapttype
12550 \ifdim\LTcapwidth=4in \else
12551 \setcaptionwidth\LTcapwidth
12552 \fi
12553 \caption@setoptions{longtable}%
12554 \caption@setoptions{@longtable}%
12555 \caption@LT@setup
12556 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
12557 \caption@startrue#1\caption@starfalse
12558 \caption@prepare@stepcounter\LTcapttype{LT}%
12559 \caption@begin\LTcapttype
12560 \caption@normalsize
12561 \vskip-\ht\strutbox
12562 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
12563 \caption@@make{#2}{#3}\endgraf
12564 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
12565 \caption@end}}%
12566 }{}
12567 \def\LT@startpbox#1{%
12568 \bgroup
12569 \let\@footnotetext\LT@p@ftntext
12570 \let\@LTRfootnotetext\LT@p@LTRftntext
12571 \let\@RTLfootnotetext\LT@p@RTLftntext
12572 \setlength\hsize{#1}%
12573 \@arrayparboxrestore
12574 \vrule \@height \ht\@arstrutbox \@width \z@}
12575 \def\LT@p@LTRftntext#1{%
12576 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
12577 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12578 \def\LT@p@RTLftntext#1{%
12579 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
12580 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

## 7.77 mdframed-xetex-bidi.def

```

12581 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
12582 \newif\if@bidi@mdf@RTL
12583 \def\mdf@lrbox#1{%
12584 \mdf@patchamsthm\patch amsthm
12585 \if@RTL\@bidi@mdf@RTLtrue\fi%
12586 \@RTLfalse%
12587 \setbox#1\vbox\bgroup%
12588 \color@begingroup%
12589 \if@bidi@mdf@RTL\@RTLtrue\fi%

```



```

12590 \mdf@horizontalmargin@equation%
12591 \columnwidth=\hsize%
12592 \textwidth=\hsize%
12593 \let\if@nobreak\iffalse%
12594 \let\if@noskipsec\iffalse%
12595 \let\par\@par%
12596 \let\-\@dischph%
12597 \let'\@acci\let\`@accii\let\=@acciii%
12598 \parindent\z@ \parskip\z@skip%
12599 \linewidth\hsize%
12600 \@totalleftmargin\z@%
12601 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12602 \parfillskip\@flushglue \lineskip\normallineskip%
12603 \baselineskip\normalbaselineskip%
12604 %% \sloppy%
12605 \let\\\@normalcr%
12606 \mdf@par@local%New feature to restore parskip/parindent local in save box
12607 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12608 \@afterindentfalse%
12609 %\@afterheading%
12610 }
12611 \renewrobustcmd\mdfframetitleenv[1]{%
12612 \mdf@lrbox{\mdf@frametitlebox}%
12613 \mdf@frametitlealignment%
12614 \leavevmode{\color{\mdf@frametitlefontcolor}%
12615 \normalfont\mdf@frametitlefont{#1}
12616 \ifbool{mdf@ignorelastdescenders}%
12617 {%
12618 \par\strut\par
12619 \unskip\unskip\setbox0=\lastbox
12620 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12621 }{}}%
12622 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
12623 \endmdf@lrbox\relax%
12624 \mdf@ignorevbadness%
12625 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12626 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12627 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12628 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12629 \mdfframetitleboxtotalheight=\dimexpr
12630 \ht\mdf@frametitlebox
12631 +\dp\mdf@frametitlebox%
12632 +\mdf@frametitleaboveskip@length
12633 +\mdf@frametitlebelowskip@length
12634 \relax%
12635 }
12636
12637 \renewrobustcmd*\mdf@footnoteoutput{%
12638 \ifvoid\@mpfootins\else%
12639 \nobreak%

```



```

12640         \vskip\mdf@footnotedistance@length%
12641         \normalcolor%
12642         \bidi@mpfootnoterule%
12643         \unvbox\@mpfootins%
12644     \fi%
12645 }
12646
12647
12648 \renewrobustcmd*\mdf@footnoteinput{%
12649     \def\@mpfn{mpfootnote}%
12650     \def\thempfn{\thempfootnote}%
12651     \c@mpfootnote\z@%
12652     \let\@footnotetext\@mpfootnotetext%
12653     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12654     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12655 }

```

## 7.78 bidi-media9.sty

```

12656 \ProvidesExplPackage{bidi-media9}{2016/05/03}{0.2}
12657 {bidi fixes for media9 package for the XeTeX engine}
12658
12659 \keys_define:nn{media9/mbtn}{
12660     draft .code:n = {},
12661     final .code:n = {},
12662
12663     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
12664     tooltip .value_required:n = {true},
12665
12666     overface .code:n = {
12667         %\hbox_set:Nn\l_mix_poster_box{#1}
12668         \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12669         \mix_pdfxform:n{\l_mix_poster_box}
12670         \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
12671     },
12672     overface .value_required:n = {true},
12673
12674     downface .code:n = {
12675         %\hbox_set:Nn\l_mix_poster_box{#1}
12676         \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12677         \mix_pdfxform:n{\l_mix_poster_box}
12678         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12679     },
12680     downface .value_required:n = {true},
12681
12682     3Dgotoview .code:n = {
12683         \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
12684         \regex_replace_once:nnN{([~:]+)??.*}{\1}\l_tmpa_tl
12685         \tl_trim_spaces:N\l_tmpa_tl
12686         \tl_if_exist:cTF{ann@\l_tmpa_tl}{

```



```

12687 \str_if_eq_x:nnF{\tl_use:c{ann@l_tmpa_tl}}{draft}{
12688 \tl_set:Nx\l_tmpb_tl{#1} %extract idx
12689 \regex_replace_once:nnN{[^\:]+\:?\}\l_tmpb_tl
12690 \tl_trim_spaces:N\l_tmpb_tl
12691 \tl_if_blank:VF\l_tmpb_tl{
12692 \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
12693 \tl_set:Nx\l_mix_vidx_tl{/l_tmpb_tl}
12694 }{
12695 \regex_match:nVTF{^[d+$]\l_tmpb_tl{
12696 \tl_set:Nx\l_mix_vidx_tl{~l_tmpb_tl}
12697 }{
12698 \regex_replace_once:nnN{^(\s*)}\l_tmpb_tl
12699 \regex_replace_once:nnN{\s*)$}\l_tmpb_tl
12700 \tl_set:Nx\l_mix_vidx_tl{~(l_tmpb_tl)}
12701 }
12702 }
12703 }
12704 \mix_pdfobj:nnn{}{dict}{
12705 /S/JavaScript/JS~(
12706 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12707 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12708 annotRM['\l_tmpa_tl']=
12709 this.getAnnotRichMedia(\tl_use:c{page@l_tmpa_tl},'\l_tmpa_tl');
12710 }
12711 annotRM['\l_tmpa_tl'].activated=true;
12712 )
12713 \tl_if_blank:VF\l_tmpb_tl{
12714 /Next~<<
12715 /S/GoTo3DView
12716 /TA~\tl_use:c{ann@l_tmpa_tl}
12717 /V\l_mix_vidx_tl
12718 >>
12719 }
12720 }
12721 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12722 }
12723 }{
12724 \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
12725 \cs_if_exist:NF\g_mix_refundefwarned_tl{
12726 \tl_new:N\g_mix_refundefwarned_tl
12727 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12728 }
12729 }
12730 },
12731 3Dgotoview .value_required:n = {true},
12732
12733 mediacommand .code:n = {
12734 \tl_set:Nx\l_tmpa_tl{#1}
12735 \regex_replace_once:nnN{([^\:]+\:)?\}\l_tmpa_tl %extract ref
12736 \tl_trim_spaces:N\l_tmpa_tl

```



```

12737 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12738   \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12739     \tl_set:Nx\l_tmpb_tl{#1}
12740     \regex_replace_once:nnN{[^\:]+\:}{ }\l_tmpb_tl
12741     \tl_trim_spaces:N\l_tmpb_tl
12742     \regex_replace_all:nnN{^\{|\}\$}{ }\l_tmpb_tl
12743     \tl_set:Nx\l_mix_cmd_tl{
12744       \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
12745     \tl_trim_spaces:N\l_mix_cmd_tl
12746     \tl_set:Nx\l_mix_arg_tl{
12747       \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
12748     \tl_trim_spaces:N\l_mix_arg_tl
12749     \mix_pdfobj:nnn{}{dict}{
12750       /S/JavaScript/JS~(
12751         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12752         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12753           annotRM['\l_tmpa_tl']=
12754           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12755         }
12756         annotRM['\l_tmpa_tl'].activated=true;
12757       )
12758       \tl_if_blank:VF\l_mix_cmd_tl{
12759         /Next~<<
12760         /S/RichMediaExecute
12761         /TA~\tl_use:c{ann@\l_tmpa_tl}
12762         /TI~\tl_use:c{main@\l_tmpa_tl}
12763         /CMD~<<
12764         /C~(\l_mix_cmd_tl)
12765         \tl_if_blank:VF\l_mix_arg_tl{
12766           /A~[\l_mix_arg_tl]
12767         }
12768         >>
12769         >>
12770       }
12771     }
12772     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12773   }
12774 }{
12775   \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
12776   \cs_if_exist:NF\g_mix_refundefwarned_tl{
12777     \tl_new:N\g_mix_refundefwarned_tl
12778     \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12779   }
12780 }
12781 },
12782 mediacommand .value_required:n = {true},
12783
12784 jsaction .code:n = {
12785   \tl_set:Nx\l_tmpa_tl{#1}
12786   \regex_match:nVTF{^[^\:]+\:.*$}\l_tmpa_tl{

```





```

12787     \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl %extract ref
12788     \tl_trim_spaces:N\l_tmpa_tl
12789   }{\tl_clear:N\l_tmpa_tl}
12790   \tl_set:Nx\l_tmpb_tl{#1}
12791   \tl_if_blank:VF\l_tmpa_tl{
12792     \tl_if_exist:cF{ann@\l_tmpa_tl}{
12793       \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
12794       \cs_if_exist:NF\g_mix_refundefwarned_tl{
12795         \tl_new:N\g_mix_refundefwarned_tl
12796         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12797       }
12798     }
12799     \regex_replace_once:nnN{[^\:]+\:}{\1}\l_tmpb_tl
12800   }
12801   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
12802   \tl_trim_spaces:N\l_tmpb_tl
12803   \tl_if_blank:VF\l_tmpb_tl{
12804     \mix_pdfobj:nnn{}{dict}{
12805       /S/JavaScript/JS~(
12806         try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
12807   \bool_if:nT{
12808     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12809     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
12810   }{
12811     \mix_pdfobj:nnn{}{dict}{
12812       /S/JavaScript/JS~(
12813         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12814         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12815           annotRM['\l_tmpa_tl']=
12816           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12817         }
12818         annotRM['\l_tmpa_tl'].activated=true;
12819       )
12820       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
12821     }
12822   }
12823   \bool_if:nT{
12824     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12825     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}||
12826     !\tl_if_blank_p:V\l_tmpb_tl
12827   }{
12828     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12829   }
12830 },
12831 jsaction .value_required:n = {true},
12832
12833 unknown .code:n = {
12834   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
12835 }
12836 }

```



```

12837
12838
12839 \RenewDocumentCommand\includemedia{0{mm}}{#1 options, #2 text/image #3 media file
12840 \mix_uriend:
12841 \group_begin:
12842 \beginL
12843 \leavevmode
12844 %empty stream as appearance dummy
12845 \cs_if_exist:NF\g_mix_appearance_tl{
12846 \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
12847 \mix_pdfxform:n{\l_mix_poster_box}
12848 \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
12849 }
12850 \mix_reset:
12851 \mix_uribegin: %treat URI characters correctly
12852 \keys_set:nn{media9/user}{#1}
12853 \mix_uriend:
12854 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
12855 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
12856 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
12857 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=-}{=}
12858 \tl_gtrim_spaces:N\g_mix_flashvars_tl
12859
12860 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
12861
12862 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
12863 %\hbox_set:Nn\l_mix_poster_box{#2}
12864 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
12865 \mix_scale:n{\l_mix_poster_box}
12866 \bool_if:nT{
12867 \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
12868 \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
12869 }{
12870 \tl_gset:Nn\g_mix_usrpbtn_tl{none}
12871 }
12872 \bool_if:NTF\g_mix_usrdraft_bool{
12873 \tl_if_empty:NF\g_mix_usrlabel_tl{
12874 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
12875 }
12876 \tl_if_blank:oTF{#2}{
12877 \mix_uribegin: %treat URI characters correctly
12878 \mix_draftbox:n{\tl_to_str:n{#3}}
12879 \mix_uriend:
12880 }{
12881 \hbox_to_wd:nn{\g_mix_wd_tl}{
12882 \vrule-width~\c_zero_dim-height~\g_mix_ht_tl-depth~\g_mix_dp_tl
12883 \box_use:N\l_mix_poster_box\hss
12884 }
12885 }
12886 }{

```



```

12887 \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
12888 %attach script that switches off play button overlay upon activation
12889 \mix_pdfobj:nnn{}{stream}{
12890   {}{
12891     var~ocgs=host.getOCGs(host.pageNum);
12892     for(var~i=0;i<ocgs.length;i++){
12893       if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
12894         ocgs[i].state=false;
12895       }
12896     }
12897   }
12898 }
12899 \mix_pdfobj:nnn{}{dict}{
12900 /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
12901 }
12902 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
12903 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
12904 %enforce plain playbutton overlay for XeTeX
12905 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
12906 }
12907 %embed main asset
12908 \mix_uribegin:
12909 \mix_embedasset:n{#3}
12910 \bool_if:nTF{
12911 \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
12912 }{
12913   \bool_gset_true:N\g_mix_iiid_bool
12914   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
12915 }{
12916   \str_case_x:nnF{\l_mix_base_tl}{
12917     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12918     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12919     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12920     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12921     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12922   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
12923 }
12924 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
12925 \mix_uriend:
12926 %secondary assets (added by addresource)
12927 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
12928 \seq_map_inline:Nn\g_mix_script_seq{
12929   \mix_embedasset:n{##1}
12930   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
12931 }
12932 %attach 3D calculation script
12933 \bool_if:nTF{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
12934   \mix_embedasset:n{3Dmenu.js}
12935   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
12936 }

```



```

12937 %create 3D views from file (option 3Dviews)
12938 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
12939   \tl_set:Nn\l_mix_level_tl{\c_minus_one}
12940   \int_zero:N\l_mix_viewcnt_int
12941   \int_zero:N\l_mix_lineno_int
12942
12943   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
12944   \ior_map_inline:Nn\l_mix_vfile_stream{
12945     \int_incr:N\l_mix_lineno_int
12946     \keys_set:nn{media9/views}{##1} %process input line
12947   }
12948   \ior_close:N\l_mix_vfile_stream
12949 }
12950 \bool_if:nT{ %create default 3D view if required
12951   \g_mix_iiid_bool &&
12952   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
12953 }{
12954   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
12955   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
12956   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
12957   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
12958   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
12959   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
12960   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
12961
12962   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
12963   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
12964   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
12965   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
12966
12967   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
12968   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
12969   \tl_clear:N\l_mix_naarray_tl
12970
12971   \bool_if:NF\l_mix_ciiw_bool{
12972     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
12973     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
12974   }
12975
12976   \tl_clear:N\l_mix_naarray_tl
12977   \tl_clear:N\l_mix_saarray_tl
12978   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
12979
12980   \mix_view:n{Default}
12981   \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
12982
12983 }
12984 \mix_pdfobj:nnn{}{dict}{
12985   /Type/RichMediaInstance
12986   /Subtype/\g_mix_mainassetsub_tl

```



```

12987 /Asset~\g_mix_mainasset_tl
12988 \bool_if:NF\g_mix_iiid_bool{
12989 /Params~<<
12990 /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
12991 /Foreground
12992 }{
12993 /Background
12994 }
12995 \tl_if_blank:VF\g_mix_flashvars_tl{
12996 /FlashVars~(\g_mix_flashvars_tl)
12997 }
12998 >>
12999 }
13000 }
13001 \tl_if_empty:NF\g_mix_usrlabel_tl{
13002 \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13003 }
13004 \mix_pdfobj:nnn{}{dict}{
13005 /Type/RichMediaConfiguration
13006 /Subtype/\g_mix_mainassetsub_tl
13007 /Instances~[\mix_pdflastobj:]
13008 }
13009 \mix_pdfobj:nnn{}{dict}{
13010 /Type/RichMediaContent
13011 /Assets~<</Names~[\g_mix_assets_tl]>>
13012 /Configurations~[\mix_pdflastobj:]
13013 \bool_if:nT{
13014 \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13015 }{
13016 /Views~[\l_mix_iiidviewarray_tl]
13017 }
13018 }
13019 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13020 \bool_if:nT{
13021 \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13022 }{
13023 \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13024 }
13025 %determine floating window size
13026 \bool_if:NT\g_mix_opt_windowed_bool{
13027 \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13028 }
13029 \mix_pdfobj:nnn{}{dict}{
13030 /Activation~<<
13031 /Condition\g_mix_act_tl
13032 \bool_if:nT{
13033 \g_mix_iiid_bool &&
13034 !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13035 }{%seems to work only with 3D content
13036 /Animation~<<

```



```

13037         /Subtype/\g_mix_playtpe_tl
13038         /PlayCount~\g_mix_playcnt_tl
13039         /Speed~\g_mix_playspd_tl
13040     >>
13041 }
13042 \bool_if:nT{
13043     \g_mix_iiid_bool && (
13044     \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13045     )
13046 }{/View~\l_mix_dfltview_tl}
13047 /Presentation~<<
13048     /Transparent~\g_mix_transp_tl
13049     \bool_if:NTF\g_mix_opt_windowed_bool{
13050         /Style/Windowed
13051         /Window~<<
13052             /Width~<</Default~\tl_mix_fltd>>
13053             /Height~<</Default~\tl_mix_fltht>>
13054             /Position~<<
13055                 /HOffset~0/VOffset~0
13056                 \str_case_x:nnF{\g_mix_winpos_tl}{
13057                     {tl}{/VAlign/Near/HAlign/Near}
13058                     {cl}{/VAlign/Center/HAlign/Near}
13059                     {bl}{/VAlign/Far/HAlign/Near}
13060                     {bc}{/VAlign/Far/HAlign/Center}
13061                     {br}{/VAlign/Far/HAlign/Far}
13062                     {cr}{/VAlign/Center/HAlign/Far}
13063                     {tr}{/VAlign/Near/HAlign/Far}
13064                     {tc}{/VAlign/Near/HAlign/Center}
13065                     }{/HAlign/Center/VAlign/Center}
13066             >>
13067         >>
13068     }{
13069         /Style/Embedded
13070     }
13071     \bool_if:NTF\g_mix_iiid_bool{
13072         /Toolbar~\g_mix_tools_tl
13073         /NavigationPane~\g_mix_nav_tl
13074     }{
13075         /PassContextClick~\g_mix_contextclick_tl
13076     }
13077 >>
13078 \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13079 >>
13080 /Deactivation~<</Condition\g_mix_deact_tl>>
13081 }
13082 \tl_set:Nx\l_mix_settings_tl{mix_pdflastobj:}
13083 \tl_if_empty:NF\g_mix_usrlabel_tl{
13084     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13085 }
13086 % #1:width, #2:height, #3:depth, #4:content (key-value)

```



```

13087 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13088 /Subtype/RichMedia
13089 /F~4\cs_if_exist_use:N\ocgxii@insert@OC
13090 /BS~<</W~0/S/S>>
13091 /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13092 /NM~(\g_mix_label_tl)
13093 /AP~<</N~\g_mix_appearance_tl>>
13094 /RichMediaSettings~\l_mix_settings_tl
13095 /RichMediaContent~\l_mix_content_tl
13096 }
13097 \tl_if_empty:NF\g_mix_usrlabel_tl{
13098 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13099 \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13100 \noexpand\the\g@mix@page@int}
13101 }
13102 \mix_pdfobj:nnn{}{dict}{
13103 /S/JavaScript/JS~(
13104 try{
13105 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13106 if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13107 annotRM['\g_mix_label_tl']=
13108 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
13109 }
13110 \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13111 if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13112 var~ocgs=this.getOCGs(this.pageNum);
13113 for(var~i=0;i<ocgs.length;i++){
13114 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13115 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13116 }
13117 }
13118 }
13119 if(
13120 !annotRM['\g_mix_label_tl'].activated&&(
13121 app.viewerType=='Reader' ||
13122 app.viewerType=='Exchange' ||
13123 app.viewerType=='Exchange-Pro'
13124 )&&app.viewerVersion>=9
13125 ){
13126 ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13127 }
13128 }
13129 }catch(e){}
13130 this.dirty=false;
13131 )
13132 }
13133 \mix_pdfannot:nnnn{0pt}{0pt}{0pt}{
13134 /Subtype/Widget
13135 /FT/Btn/Ff~65537/F~2
13136 /BS~<</W~0>>

```



```

13137 /T~(fd@\\g_mix_label_tl)
13138 /AA~<</PO~\\mix_pdflastobj:~/PV~\\mix_pdflastobj:>>
13139 }
13140 \\mix_appendtofields:n{\\mix_pdflastann:}
13141 \\hbox_overlap_right:n{\\box_use:N\\l_mix_poster_box}
13142 \\str_if_eq_x:nnTF{\\g_mix_usrpbtn_tl}{none}{
13143   \\hbox_to_wd:nn{\\g_mix_wd_tl}{
13144     \\vrule~width~\\c_zero_dim~height~\\g_mix_ht_tl~depth~\\g_mix_dp_tl\\hss
13145   }
13146 }{%insert play button overlay
13147   \\mix_insert_btnocg: %create OCG
13148   \\cs_gset_eq:Nc\\mix_pbtn:NN{g@mix@pbtn@\\g_mix_usrpbtn_tl @tl}
13149   %\\hbox_set:Nn\\l_mix_pbtn_box{\\mix_pbtn:NN\\g_mix_wd_tl\\g_mix_tt_tl}
13150   \\sbox\\l_mix_pbtn_box{\\mix_pbtn:NN\\g_mix_wd_tl\\g_mix_tt_tl}
13151   \\box_move_down:nn{\\g_mix_dp_tl}{
13152     \\hbox_to_wd:nn{\\g_mix_wd_tl}{
13153       \\vbox_to_ht:nn{\\g_mix_tt_tl}{
13154         \\vss
13155         \\ocgbase_oc_bdc:n{\\g_mix_btnocg_tl}
13156         \\box_use:N\\l_mix_pbtn_box
13157         \\ocgbase_oc_emc:
13158       }
13159     }
13160   }
13161 }
13162 \\int_gincr:N\\g_mix_rmcnt_int
13163 }
13164 \\endL
13165 \\group_end:
13166 }
13167 \\tl_set_eq:NN\\l_mix_includemedia_tl\\includemedia
13168 \\tl_set:Nn\\includemedia{\\mix_uribegin:\\l_mix_includemedia_tl}
13169
13170
13171
13172 \\RenewDocumentCommand\\mediabutton{0{ }m}{%#1 options, #2 normal button text
13173   \\mix_urien:
13174   \\group_begin:
13175   \\beginL
13176   \\leavevmode
13177   %reset various variables
13178   \\tl_gclear:N\\g_mix_overbtn_tl
13179   \\tl_gclear:N\\g_mix_downbtn_tl
13180   \\tl_gclear:N\\g_mix_btnactions_tl
13181   \\tl_gclear:N\\g_mix_tooltip_tl
13182   %process options
13183   \\bool_gset_eq:NN\\g_mix_btndraft_bool\\g_mix_pkgdraft_bool
13184   \\mix_uribegin: %treat URI characters correctly
13185   \\keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13186   \\bool_if:NF\\g_mix_btndraft_bool{\\keys_set:nn{media9/mbtn}{#1}}

```





```

13187 \mix_uriend:
13188 %normal button appearance
13189 %\hbox_set:Nn\l_mix_poster_box{#2}
13190 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13191 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13192 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13193 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13194 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13195   \mix_pdfxform:n{\l_mix_poster_box}
13196   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13197   \bool_if:nT{ %dummy Widget for ocgx2, AR seems to need it
13198 %   \cs_if_exist_p:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
13199     !\cs_if_exist:NTF\ocgxii@insert@OC{
13200       \tl_if_blank_p:V\ocgxii@insert@OC
13201     }{
13202       \c_true_bool
13203     }
13204   }{\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F~2}}
13205   %insert widget annotation
13206   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13207     /Subtype/Widget
13208     /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
13209     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13210     /FT/Btn/Ff~65536\cs_if_exist_use:N\ocgxii@insert@OC
13211     \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
13212     /AP~<<
13213     /N~\g_mix_normalbtn_tl
13214     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13215     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13216     >>
13217     /MK~<<
13218     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13219     /I~\g_mix_normalbtn_tl
13220     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13221     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13222     >>
13223     /A~<<
13224     /S/JavaScript/JS~(app.focusRect=false;)
13225     %sequence of actions to perform
13226     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13227     >>
13228   }
13229   \mix_appendtofields:n{\mix_pdflastann:}
13230   \hbox_to_wd:nn{\width}{
13231     \vrule~width~\c_zero_dim~height~\height~depth~\hss
13232   }
13233   \int_gincr:N\g_mix_mbtncnt_int
13234 }
13235 \endL
13236 \group_end:

```



```

13237 }
13238 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13239 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13240
13241
13242

```

## 7.79 memoir-xetex-bidi.def

```

13243 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
13244 \renewcommand{\keepthetitle}{%
13245   \@bsmtitleempty
13246   \global\let\thanks\relax
13247   \global\let\LRthanks\relax
13248   \global\let\RTLthanks\relax
13249   \global\let\and\relax
13250   \global\let\andnext\relax
13251   \global\let\@thanks\@empty
13252   \global\let\@title\@empty
13253   \global\let\@author\@empty
13254   \global\let\@date\@empty}
13255 \renewcommand{\maketitle}{\par
13256   \begingroup
13257     \@bsmarkseries
13258     \def\@makefnmark{\@textsuperscript{%
13259       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
13260     \long\def\@makefntext##1{\makethanksmark ##1}
13261     \if@twocolumn
13262       \ifnum \col@number=\@ne
13263         \@maketitle
13264       \else
13265         \twocolumn[\@maketitle]%
13266       \fi
13267     \else
13268       \ifdim\pagetotal>\z@
13269         \newpage
13270       \fi
13271       \global\@topnum\z@
13272       \@maketitle
13273     \fi
13274     \thispagestyle{title}\@thanks
13275   \endgroup
13276   \@bscontmark % \setcounter{footnote}{0}%
13277 }
13278 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
13279 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
13280 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
13281 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
13282 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
13283 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}

```



```

13284 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
13285 \renewcommand*{\thesubsection}{%
13286     \thesection\@SepMark\@arabic\c@subsection}
13287 \renewcommand*{\thesubsubsection}{%
13288     \thesubsection\@SepMark\@arabic\c@subsubsection}
13289 \renewcommand*{\theparagraph}{%
13290     \thesubsubsection\@SepMark\@arabic\c@paragraph}
13291 \renewcommand*{\thesubparagraph}{%
13292     \theparagraph\@SepMark\@arabic\c@subparagraph}
13293 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13294 \renewcommand{\theequation}{%
13295     \ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13296 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13297 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
13298 \ifartopt
13299     \chapterstyle{article}
13300     \counterwithout{figure}{chapter}
13301     \counterwithout{table}{chapter}
13302     \counterwithout{footnote}{chapter}
13303     \counterwithout{equation}{chapter}
13304     \renewcommand{\chaptername}{\}
13305     \renewcommand{\maketitlehookb}{%
13306         \vskip -1.5\topsep\vskip -1.5\partopsep}
13307     \renewcommand{\maketitlehookc}{%
13308         \vskip -1.5\topsep\vskip -1.5\partopsep}
13309 \fi
13310 \long\def\@makecaption#1#2{\let\@memtempa\relax
13311     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
13312     \else \def\@memtempa{\vbox to\topskip{}}\fi
13313     \let\@contfnote\footnote \renewcommand{\footnote}[2][{}]{
13314         \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][{}]{
13315             \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13316             \let\footnote\@contfnote
13317             \let\footnotemark\@contfmark
13318             \ifdim\wd\@tempboxa<\linewidth \centering \fi
13319             \if@contcw
13320                 \centering
13321                 \parbox{\@contcwidth}{%
13322                     \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
13323                 \fi
13324                 \ifdim\wd\@tempboxa<\linewidth
13325                     \@contpre
13326                     {\@contnfont #1\@contdelim}\@memtempa
13327                     {\@contcshortstyle \@conttfont #2\@contfinal\par}
13328                 \else
13329                     \if@conthang
13330                         \sbox\@tempboxa{\@contnfont #1\@contdelim}
13331                         \@contpre%
13332                         {\@contcstyle\hangindent=\wd\@tempboxa
13333                             \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}

```



```

13334 \else
13335 \if@contindent
13336 \@contpre%
13337 {\@contnfont #1\@contdelim}\@memtempa
13338 {\@contcstyle\hangindent=\@contindw
13339 \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
13340 \else
13341 \@contpre%
13342 {\@contnfont #1\@contdelim}\@memtempa
13343 {\@contcstyle \@conttfont #2\@contfinal\par}
13344 \fi
13345 \fi
13346 \fi
13347 \@contpost
13348 \if@contcw
13349 \par
13350 } % end of the \parbox
13351 \fi
13352 \vskip\belowcaptionskip}
13353 \ifpackageloaded{caption}{%
13354 \AtBeginPackage{caption}{
13355 \ClassWarningNoLine{memoir}{%
13356 You are using the caption package with the memoir \MessageBreak
13357 class. This may cause unexpected or inconsistent \MessageBreak
13358 results if you use any of memoir's captioning facilities}
13359
13360 \long\def\@makecaption##1##2{%
13361 \vskip\abovecaptionskip
13362 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13363 \ifdim \wd\@tempboxa >\hsize
13364 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13365 \else
13366 \global \@minipagefalse
13367 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13368 \fi
13369 \vskip\belowcaptionskip}
13370
13371 \def\caption{%
13372 \ifx\@captype\@undefined
13373 \latexerror{\noexpand\caption outside float}\@ehd
13374 \expandafter\@gobble
13375 \else
13376 \refstepcounter\@captype
13377 \expandafter\@firstofone
13378 \fi
13379 {\@dblarg{\@caption\@captype}}}%
13380 }
13381
13382 \long\def\@caption##1[##2]##3{%
13383 \par

```



```

13384 \addcontentsline{\csname ext@##1\endcsname}{##1}%
13385 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
13386 \begingroup
13387 \parboxrestore
13388 \if@minipage
13389 \setminipage
13390 \fi
13391 \normalsize
13392 \makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
13393 \endgroup}
13394 }{}
13395 \renewenvironment{thebibliography}[1]{%
13396 \bibsection
13397 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13398 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

## 7.8o midfloat-xetex-bidi.def

```

13399 \ProvidesFile{midfloat-xetex-bidi.def}[2016/05/10 v0.3 bidi adaptations for midfloat package for
13400 \def\RTL@outputdblcol{%
13401 \if@firstcolumn
13402 \global \@firstcolumnfalse
13403 \global\setbox\@leftcolumn\copy\@outputbox
13404 \splitmaxdepth\maxdimen
13405 \vbadness\maxdimen
13406 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13407 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13408 \toks@ \expandafter{\topmark}%
13409 \xdef\@firstcoltopmark{\the\toks@}%
13410 \toks@ \expandafter{\splitfirstmark}%
13411 \xdef\@firstcolfirstmark{\the\toks@}%
13412 \ifx\@firstcolfirstmark\@empty
13413 \global\let\@setmarks\relax
13414 \else
13415 \gdef\@setmarks{%
13416 \let\firstmark\@firstcolfirstmark
13417 \let\topmark\@firstcoltopmark}%
13418 \fi
13419 \global\c@colht\@colht\global\c@advipersep\z@
13420 \ifnum\jua@sk>0
13421 \remove@strip\jua@sar
13422 \global\@colht\the\jua@pr
13423 \ifdim\right@cor>\z@
13424 \global\advance\@colht by\right@cor
13425 \fi
13426 \global\advance\@colht by\cor@height
13427 \global\cor@height=0pt
13428 \fi
13429 \global \setbox\@rightcolumn \vbox{}%
13430 \else

```



```

13431 \ifdim\c@colht>\@colht
13432 \@tempdima\@colht
13433 \ifdim\@colht>\z@
13434 \global\setbox\@rightcolumn \vbox{%
13435 \unvbox\@rightcolumn
13436 \vbox to\@tempdima{%
13437 \vskip\c@addvipersep\unvbox\@outputbox}%
13438 \vskip\stripsep
13439 \vrule height\the\jua@ht width Opt depth Opt
13440 \vskip\stripsep
13441 }%
13442 \global\c@addvipersep\m@addvipersep
13443 \else
13444 \global\setbox\@rightcolumn \vbox{%
13445 \unvbox\@rightcolumn
13446 \vrule height\the\jua@ht width Opt depth Opt
13447 \vskip\stripsep
13448 }%
13449 \fi
13450 \ifnum\jua@sk>0
13451 \remove@strip\jua@sar
13452 \global\@colht\the\jua@pr
13453 \global\advance\@colht by -\ht\@rightcolumn
13454 \global\advance\@colht by\cor@height
13455 \global\cor@height=Opt
13456 \else
13457 \global\advance\c@colht by-\ht\@rightcolumn
13458 \global\@colht\c@colht
13459 \fi
13460 \else
13461 \global\@firstcolumntrue
13462 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13463 \unvbox\@rightcolumn
13464 \vskip\c@addvipersep
13465 \unvbox\@outputbox
13466 }%
13467 \setbox\@outputbox \vbox {%
13468 \hb@xt@\textwidth {%
13469 \hskip \columnwidth
13470 \hfil
13471 \vrule \@width\columnseprule
13472 \hfil
13473 \hb@xt@\columnwidth {%
13474 \box\@leftcolumn \hss}%
13475 \hskip-\textwidth
13476 \hb@xt@\columnwidth {%
13477 \box\@outputbox \hss}%
13478 \hskip\columnwidth
13479 \hskip\columnsep}%
13480 }%

```



```

13481 \combinedblfloats
13482 \@setmarks
13483 \@outputpage
13484 \beginingroup
13485 \dblfloatplacement
13486 \@startdblcolumn
13487 \@whilesw\if@fcolmade \fi
13488 {\@outputpage
13489 \@startdblcolumn}%
13490 \endgroup
13491 \global\jua@sk=0\global\jua@sar={}%
13492 \global\cor@height\z@\global\c@addvipersep\z@
13493 \fi
13494 \fi
13495 }
13496
13497
13498 \def\LTR@outputdblcol{%
13499 \if@firstcolumn
13500 \global \@firstcolumnfalse
13501 \global\setbox\@leftcolumn\copy\@outputbox
13502 \splitmaxdepth\maxdimen
13503 \vbadness\maxdimen
13504 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13505 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13506 \toks@{\expandafter{\topmark}}%
13507 \xdef\@firstcoltopmark{\the\toks@}%
13508 \toks@{\expandafter{\splitfirstmark}}%
13509 \xdef\@firstcolfirstmark{\the\toks@}%
13510 \ifx\@firstcolfirstmark\@empty
13511 \global\let\@setmarks\relax
13512 \else
13513 \gdef\@setmarks{%
13514 \let\firstmark\@firstcolfirstmark
13515 \let\topmark\@firstcoltopmark}%
13516 \fi
13517 \global\c@colht\@colht\global\c@addvipersep\z@
13518 \ifnum\jua@sk>0
13519 \remove@strip\jua@sar
13520 \global\@colht\the\jua@pr
13521 \ifdim\right@cor>\z@
13522 \global\advance\@colht by\right@cor
13523 \fi
13524 \global\advance\@colht by\cor@height
13525 \global\cor@height=0pt
13526 \fi
13527 \global \setbox\@rightcolumn \vbox{%
13528 \else
13529 \ifdim\c@colht>\@colht
13530 \@tempdima\@colht

```



```

13531         \ifdim\@colht>\z@
13532         \global\setbox\@rightcolumn \vbox{%
13533             \unvbox\@rightcolumn
13534             \vbox to\@tempdima{%
13535                 \vskip\c@addvipersep\unvbox\@outputbox}%
13536             \vskip\stripsep
13537             \vrule height\the\jua@ht width Opt depth Opt
13538             \vskip\stripsep
13539             }%
13540         \global\c@addvipersep\m@addvipersep
13541     \else
13542         \global\setbox\@rightcolumn \vbox{%
13543             \unvbox\@rightcolumn
13544             \vrule height\the\jua@ht width Opt depth Opt
13545             \vskip\stripsep
13546             }%
13547     \fi
13548     \ifnum\jua@sk>0
13549         \remove@strip\jua@sar
13550         \global\@colht\the\jua@pr
13551         \global\advance\@colht by -\ht\@rightcolumn
13552         \global\advance\@colht by\cor@height
13553         \global\cor@height=Opt
13554     \else
13555         \global\advance\c@colht by-\ht\@rightcolumn
13556         \global\@colht\c@colht
13557     \fi
13558 \else
13559     \global\@firstcolumntrue
13560     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13561         \unvbox\@rightcolumn
13562         \vskip\c@addvipersep
13563         \unvbox\@outputbox
13564         }%
13565     \setbox\@outputbox \vbox {%
13566         \hb@xt@\textwidth {%
13567             \hb@xt@\columnwidth {%
13568                 \box\@leftcolumn \hss}%
13569             \hfil
13570             \vrule \@width\columnseprule
13571             \hfil
13572             \hb@xt@\columnwidth {%
13573                 \box\@outputbox \hss}%
13574                 }%
13575         }%
13576     \@combinedblfloats
13577     \@setmarks
13578     \@outputpage
13579     \begingroup
13580     \@dblfloatplacement

```





```

13581 \startdblcolumn
13582 \whilesw@ifcolmade \fi
13583 {\@outputpage
13584 \startdblcolumn}%
13585 \endgroup
13586 \global\jua@sk=0\global\jua@sar={}%
13587 \global\cor@height\z@\global\c@addvipersep\z@
13588 \fi
13589 \fi
13590 }
13591
13592
13593 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
13594 \global\setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v
13595 \hsize\textwidth
13596 \@parboxrestore
13597 \col@number \@ne
13598 \vrule height\topskip width0pt depth0pt
13599 }
13600
13601 \def\endstrip{%
13602 \egroup\egroup
13603 \if@firstcolumn
13604 \ifdim\pagetotal>\z@
13605 \vskip\stripsep
13606 \global\ht@strip\pagegoal
13607 \global\advance\ht@strip by-\pagetotal
13608 \global\advance\ht@strip by-\stripsep
13609 \global\advance\ht@strip by-\ht\@viper
13610 \global\advance\ht@strip by-\stripsep
13611 \global\jua@ht=\ht\@viper
13612 \else
13613 \global\ht@strip\z@
13614 \fi
13615 \ifdim\ht@strip>\z@
13616 \unvbox\@viper
13617 \vskip\stripsep
13618 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
13619 \global\advance\jua@sk by1
13620 \else
13621 \@latex@error{Strip needs more place!}\@ehc
13622 \if@vihproof
13623 \framebox[\columnwidth]{??? Strip ???}%
13624 \fi
13625 \fi
13626 \else
13627 \@latex@error{Strip is used only on left column!}\@ehc
13628 \if@vihproof
13629 \framebox[\columnwidth]{??? Strip ???}%
13630 \fi

```



```

13631         \fi
13632 }

```

## 7.81 minitoc-xetex-bidi.def

```

13633 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for Xe
13634 \def\@undottedtocline#1#2#3#4#5{%
13635     \ifnum #1>\c@tocdepth\relax \else
13636     \vskip \z@ plus.2\p@
13637     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
13638     \parindent #2\relax\@afterindenttrue
13639     \interlinepenalty\@M
13640     \leavevmode
13641     \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
13642     \hskip -\if@RTL\righskip\else\leftskip\fi
13643     #4\nobreak\hfill \nobreak
13644     \null\par}%
13645     \fi}
13646 \def\@Undottedtocline#1#2#3#4#5{%
13647     \ifnum #1>\c@tocdepth\relax \else
13648     \vskip \z@ \@plus.2\p@
13649     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
13650     \parindent #2\relax\@afterindenttrue
13651     \interlinepenalty\@M
13652     \leavevmode
13653     \@tempdima #3\relax
13654     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\fi
13655     {\coffefont #4}\nobreak \nobreak\null
13656     \par}%
13657     \fi}
13658 \def\@Undottedtoclinep#1#2#3#4#5{%
13659     \ifnum #1>\c@tocdepth\relax \else
13660     \vskip \z@ \@plus.2\p@
13661     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
13662     \parindent #2\relax\@afterindenttrue
13663     \interlinepenalty\@M
13664     \leavevmode
13665     \@tempdima #3\relax
13666     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\fi
13667     {#4}\nobreak \hfill \nobreak\null
13668     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
13669     \par}%
13670     \fi}

```

## 7.82 multicol-xetex-bidi.def

```

13671 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for Xe
13672 \def\page@sofar{%
13673     \process@cols\mult@rightbox
13674     {\ifvoid\count@
13675         \setbox\count@\hbox to\hsize{}}%

```



```

13676         \else
13677             \wd\count@\hsize
13678         \fi}%
13679     \count@\col@number \advance\count@\m@ne
13680     \mult@info\z@
13681     {Column spec: \the\full@width\space = indent
13682         + columns + sep =\MessageBreak
13683         \the\multicol@leftmargin\space
13684         + \the\col@number\space
13685         x \the\hsize\space
13686         + \the\count@\space
13687         x \the\columnsep
13688     }%
13689 \ifvmode\else\errmessage{Multicol Error}\fi
13690 \nointerlineskip
13691 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
13692 \moveright\multicol@leftmargin
13693 \hbox to\full@width{%
13694     \bidi@multicol@align@columns
13695     \rlap{\phantom p}}%
13696 }%
13697 \prevdepth\z@
13698 \kern-\dimen\tw@
13699 \ifdim\dimen\tw@ > \mc@gridwarn
13700     \PackageWarning{multicol}%
13701         {Very deep columns!\MessageBreak
13702         Grid alignment might be broken}%
13703 \fi
13704 }
13705 \def\LTR@column@boxes{%
13706     \process@cols\mult@gfirstbox{%
13707         \ifdim\dp\count@>\dimen\tw@
13708             \global\dimen\tw@\dp\count@ \fi
13709         \mc@col@status@write
13710         \box\count@
13711         \hss{\columnseprulecolor\vrule
13712             \@width\columnseprule}\hss}%
13713     \ifdim\dp\mult@rightbox>\dimen\tw@
13714         \global\dimen\tw@\dp\mult@rightbox \fi
13715     \mc@lastcol@status@write
13716     \box\mult@rightbox
13717 }
13718
13719 \def\RTL@column@boxes{%
13720     \process@cols\mult@gfirstbox{%
13721         \hskip\hsize
13722         \hss{\columnseprulecolor\vrule
13723             \@width\columnseprule}\hss
13724     }%
13725     \hskip\hsize

```



```

13726 \process@cols\mult@gfirstbox{%
13727 \ifdim\dp\count@>\dimen\tw@
13728 \global\dimen\tw@\dp\count@ \fi
13729 \hskip-\hsize
13730 \mc@col@status@write
13731 \box\count@
13732 \hskip-\hsize
13733 \hskip-\columnsep
13734 }%
13735 \ifdim\dp\mult@rightbox>\dimen\tw@
13736 \global\dimen\tw@\dp\mult@rightbox \fi
13737 \hskip-\hsize
13738 \mc@lastcol@status@write
13739 \box\mult@rightbox
13740 \hskip-\hsize
13741 \hskip\full@width
13742 }
13743 \newcommand\RTLmulticolcolumns
13744 {\let\bidimulticol@align@columns
13745 \RTL@column@boxes}
13746 \newcommand\LTRmulticolcolumns
13747 {\let\bidimulticol@align@columns
13748 \LTR@column@boxes}
13749 \newcommand\bidimulticol@align@columns
13750 {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
13751 \def\multicols#1{\col@number#1\relax
13752 \ifnum\col@number<\tw@
13753 \PackageWarning{multicol}%
13754 {Using ``\number\col@number'
13755 columns doesn't seem a good idea.^J
13756 I therefore use two columns instead}%
13757 \col@number\tw@ \fi
13758 \ifnum\col@number>10
13759 \PackageError{multicol}%
13760 {Too many columns}%
13761 {Current implementation doesn't
13762 support more than 10 columns.%
13763 \MessageBreak
13764 I therefore use 10 columns instead}%
13765 \col@number10 \fi
13766 \ifx\@footnotetext\mult@footnotetext\else
13767 \let\orig@footnotetext\@footnotetext
13768 \let\@footnotetext\mult@footnotetext
13769 \fi
13770 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
13771 \let\orig@LTRfootnotetext\@LTRfootnotetext
13772 \let\@LTRfootnotetext\mult@LTRfootnotetext
13773 \fi
13774 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
13775 \let\orig@RTLfootnotetext\@RTLfootnotetext

```



```

13776      \let\@RTLfootnotetext\mult@RTLfootnotetext
13777      \fi
13778      \@ifnextchar[\mult@cols{\mult@cols[]}]
13779 \long\def\mult@footnotetext#1{\begingroup
13780      \hsize\textwidth
13781      \columnwidth\textwidth
13782      \orig@footnotetext{#1}\endgroup}
13783 \long\def\mult@LTRfootnotetext#1{\begingroup
13784      \hsize\textwidth
13785      \columnwidth\textwidth
13786      \orig@LTRfootnotetext{#1}\endgroup}
13787 \long\def\mult@RTLfootnotetext#1{\begingroup
13788      \hsize\textwidth
13789      \columnwidth\textwidth
13790      \orig@RTLfootnotetext{#1}\endgroup}
13791 \def\right@footnoterule{%
13792     \kern-3\p@
13793     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
13794     \kern2.6\p@}
13795 \def\textwidth@footnoterule{\kern-3\p@
13796     \hrule \@width \textwidth \kern 2.6\p@}

```

### 7.83 multienum-xetex-bidi.def

```

13797 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
13798 \renewcommand{\itemx}[1]{\parbox[t]%
13799 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13800 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
13801 \renewcommand{\itemxx}[2]{\parbox[t]%
13802 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13803 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
13804 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13805 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
13806 \renewcommand{\itemxxx}[3]{\parbox[t]%
13807 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13808 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
13809 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13810 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
13811 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13812 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
13813 \renewcommand{\itemxxxx}[4]{\parbox[t]%
13814 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13815 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
13816 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13817 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13818 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13819 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
13820 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13821 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
13822 \renewcommand{\itemxxxxx}[5]{\parbox[t]%

```



```

13823 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13824 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
13825 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13826 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
13827 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13828 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
13829 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13830 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
13831 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13832 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
13833 \renewcommand{\itemxox}[2]{\parbox[t]%
13834 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13835 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13836 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13837 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
13838 \renewcommand{\itemxox}[2]{\parbox[t]%
13839 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13840 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
13841 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13842 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
13843 \renewcommand{\itemxox}[3]{\parbox[t]%
13844 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13845 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13846 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13847 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13848 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13849 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13850 \renewcommand{\itemxox}[3]{\parbox[t]%
13851 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13852 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13853 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13854 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
13855 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13856 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13857 \renewcommand{\itemxox}[3]{\parbox[t]%
13858 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13859 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13860 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13861 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13862 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13863 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

## 7.84 natbib-xetex-bidi.def

```

13864 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
13865 \renewenvironment{thebibliography}[1]{%
13866 \bibsection
13867 \parindent\z@
13868 \bibpreamble
13869 \bibfont

```



```

13870 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
13871 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z}%
13872 \ifNAT@openbib
13873   \renewcommand\newblock{\par}%
13874   \else
13875     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
13876   \fi
13877   \sloppy\clubpenalty4000\widowpenalty4000
13878   \sfcode\.\@m
13879   \let\NAT@bibitem@first@sw\@firstoftwo
13880   \let\citeN\cite \let\shortcite\cite
13881   \let\citeasnoun\cite
13882 }{%
13883   \bibitem@fin
13884   \bibpostamble
13885   \def\@noitemerr{%
13886     \PackageWarning{natbib}{Empty `thebibliography' environment}%
13887   }%
13888   \endlist
13889   \bibcleanup
13890 }%

```

## 7.85 newfloat-xetex-bidi.def

```

13891 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
13892 \renewcommand*{newfloat@setwithin}[2]{%
13893   \ifcsname c@chapter\endcsname
13894     \@removefromreset{#1}{chapter}%
13895   \fi
13896   \@removefromreset{#1}{section}%
13897   \edef\@tempa{#2}%
13898   \ifx\@tempa\@empty
13899     \def\@tempa{none}%
13900   \fi
13901   \def\@tempb{none}%
13902   \ifx\@tempa\@tempb
13903     \ifcsname c@chapter\endcsname
13904       \@chapterlistsgap@off{#1}%
13905     \fi
13906     \newfloat@@setwithin{#1}{\@tempa}%
13907   \else
13908     \def\@tempb{chapter}%
13909     \ifx\@tempa\@tempb
13910       \@addtoreset{#1}{chapter}%
13911       \@chapterlistsgap@on{#1}%
13912       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
13913     \else
13914       \def\@tempb{section}%
13915       \ifx\@tempa\@tempb
13916         \@addtoreset{#1}{section}%

```



```

13917         \ifcsname c@chapter\endcsname
13918         \@addtoreset{#1}{chapter}%
13919         \@chapterlistsgap@on{#1}%
13920         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
13921         \else
13922         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
13923         \fi
13924     \else
13925         \newfloat@Error{Invalid value `#2' for option `within'}%
13926     \fi
13927 \fi
13928 \fi}

```

## 7.86 ntheorem-xetex-bidi.def

```

13929 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for xetex]
13930 \gdef\@thm#1#2#3{%
13931     \if@thmmarks
13932         \stepcounter{end\InTheoType ctr}%
13933     \fi
13934     \renewcommand{\InTheoType}{#1}%
13935     \if@thmmarks
13936         \stepcounter{curr#1ctr}%
13937         \setcounter{end#1ctr}{0}%
13938     \fi
13939     \refstepcounter{#2}%
13940     \theorem@prework
13941     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
13942     \ifvmode \advance\thm@topsepadd\partopsep\fi
13943     \trivlist
13944     \@topsep \theorempreskipamount
13945     \@topsepadd \thm@topsepadd % used by \@endparenv
13946     \advance\linewidth -\theorem@indent
13947     \advance\@totalleftmargin \theorem@indent
13948     \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
13949     \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 7.87 ntheorem-hyper-xetex-bidi.def

```

13950 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper package for xetex]
13951 \gdef\@thm#1#2#3{%
13952     \if@thmmarks
13953         \stepcounter{end\InTheoType ctr}%
13954     \fi
13955     \renewcommand{\InTheoType}{#1}%
13956     \if@thmmarks
13957         \stepcounter{curr#1ctr}%
13958         \setcounter{end#1ctr}{0}%
13959     \fi
13960     \refstepcounter{#2}%
13961     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist

```





```

13962 \ifvmode \advance\thm@topsepadd\partopsep\fi
13963 \trivlist
13964 \@topsep \theorempreskipamount
13965 \@topsepadd \thm@topsepadd % used by \@endparenv
13966 \advance\linewidth -\theorem@indent
13967 \advance\@totalleftmargin \theorem@indent
13968 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
13969 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 7.88 overpic-xetex-bidi.def

```

13970 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for X
13971 \renewenvironment{overpic}[2] [] {%
13972 \sbox{\z@}{\includegraphics[#1]{#2}}%
13973 \settodepth{\@tempcnta}{\usebox{\z@}}%
13974 \settoheight{\@tempcntb}{\usebox{\z@}}%
13975 \advance\@tempcntb\@tempcnta%
13976 \settowidth{\@tempcnta}{\usebox{\z@}}%
13977 \setlength{\@tempdima}{\unitlength}%
13978 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
13979 %
13980 \OVP@calc%
13981 %
13982 \begin{picture}(\@tempcnta,\@tempcntb)%
13983 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
13984 \ifGin@grid%
13985 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
13986 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
13987 \fi\fi%
13988 % reset the graphics parameter
13989 \let\Gin@outer@scalex\relax
13990 \let\Gin@outer@scaley\relax
13991 \let\Gin@angle\relax
13992 \let\Gin@ewidth\Gin@exclamation
13993 \let\Gin@eheight\Gin@ewidth
13994 \def\Gin@scalex{1}
13995 \let\Gin@scaley\Gin@exclamation
13996 }{%
13997 \if@RTL\ifGin@grid%
13998 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
13999 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14000 \fi%
14001 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14002 \end{picture}%
14003 }%

```

## 7.89 pdfpages-xetex-bidi.def

```

14004 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
14005 \renewcommand*{\includepdf}[2] [] {%
14006 \begingroup

```



```

14007 \RTLfalse
14008 \let\AM@threadname\relax
14009 \AM@split@options{pdfpages}{#1}%
14010 \edef\AM@temp{\pdfpages\the\@temptokena}%
14011 \expandafter\setkeys\AM@temp
14012 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14013   \let\AM@currentdocname\relax
14014   \renewcommand\includegraphics[2][]{Survey in draft-mode}%
14015   \def\AM@pagecount{0}%
14016 }{%
14017   \AM@findfile{#2}%
14018   \if\AM@threadname\relax
14019     \def\AM@threadname{\AM@currentdocname}%
14020   \fi
14021 }%
14022 \ifAM@survey
14023   \def\AM@pagestemp{%
14024     \@tempcnta=0
14025     \def\foo{%
14026       \@ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
14027       {\let\foo\relax}
14028       {\expandafter\ifx\expandafter\\AM@pagestemp\\
14029         \edef\AM@pagestemp{%
14030           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14031         \else
14032           \edef\AM@pagestemp{\AM@pagestemp,%
14033             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14034         \fi
14035         \advance\@tempcnta 1\relax
14036       }%
14037       \foo
14038     }%
14039     \foo
14040     \expandafter\ifx\expandafter\\AM@pagestemp\\
14041     \def\AM@pagestemp{1}%
14042   \fi
14043 \fi
14044 \ifAM@output
14045   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14046   \AM@output{#1}%
14047 \fi
14048 \AM@CheckAtEnd
14049 \endgroup
14050 \AM@ClearShipoutPicture
14051 }

```

## 7.90 pgfcorescopes.code-xetex-bidi.def

```

14052 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packa
14053 \def\pgfpicture{%

```



```

14054 \beginpgfgroup%
14055 \ifmmode\else\@RTLfalse\beginL\fi%
14056 \pgfpicturetrue%
14057 \global\advance\pgf@picture@serial@count by1\relax%
14058 \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
14059 \let\pgf@nodecallback=\pgfutil@gobble%
14060 \pgf@picmaxx=-16000pt\relax%
14061 \pgf@picminx=16000pt\relax%
14062 \pgf@picmaxy=-16000pt\relax%
14063 \pgf@picminy=16000pt\relax%
14064 \pgf@relevantforpicturesizetrue%
14065 \pgf@resetpathsizes%
14066 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
14067 \def\endpgfpicture{%
14068     \ifpgfrememberpicturepositiononpage%
14069         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}}%
14070     \fi%
14071     % ok, now let's position the box
14072     \ifdim\pgf@picmaxx=-16000pt\relax%
14073         % empty picture. make size 0.
14074         \global\pgf@picmaxx=0pt\relax%
14075         \global\pgf@picminx=0pt\relax%
14076         \global\pgf@picmaxy=0pt\relax%
14077         \global\pgf@picminy=0pt\relax%
14078     \fi%
14079     % Shift baseline outside:
14080     \pgf@relevantforpicturesizefalse%
14081     \pgf@process{\pgf@baseline}%
14082     \xdef\pgf@shift@baseline{\the\pgf@y}%
14083     %
14084     \pgf@process{\pgf@trimleft}%
14085     \global\advance\pgf@x by-\pgf@picminx
14086     % prepare \hskip\pgf@trimleft@final.
14087     % note that \pgf@trimleft@final is also queried
14088     % by the pgf image externalization.
14089     \xdef\pgf@trimleft@final{-\the\pgf@x}%
14090     %
14091     \pgf@process{\pgf@trimright}%
14092     \global\advance\pgf@x by-\pgf@picmaxx
14093     % prepare \hskip\pgf@trimright@final.
14094     % note that \pgf@trimright@final is also queried
14095     % by the pgf image externalization.
14096     \xdef\pgf@trimright@final{\the\pgf@x}%
14097     %
14098     \pgf@remember@layerlist@globally
14099     \endpgfgroup%
14100     \hss%
14101     \egroup%
14102     \pgf@restore@layerlist@from@global
14103     \pgf@insertlayers%

```



```

14104         \endgroup%
14105         \pgfsys@discardpath%
14106         \endgroup%
14107         \pgfsys@endscope%
14108         \pgfsys@endpicture%
14109         \endgroup%
14110         \hss
14111     \egroup%
14112     \pgfsys@typesetpicturebox\pgfpic%
14113     \ifmmode\else\endL\fi%
14114 \endgroup%
14115 }

```

## 7.91 picinpar-xetex-bidi.def

```

14116 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
14117 \long\def\@makewincaption#1#2{%
14118     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14119     \ifdim\wd\@tempboxa>\picwd
14120         {\footnotesize{\bf #1:\enspace}{#2\par}}
14121     \else
14122         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14123     \fi}
14124 \def\endwindow{%
14125     \global\tcd=\tcdsav
14126     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14127     \vbadness=10000
14128     \splittopskip=0pt
14129 %
14130 % Typeset the lines above the window
14131 %
14132 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14133 \tcn=\tcd
14134 \loop\advance\tcn -1
14135 \setbox\fslice=\vsplit\holder to\baselineskip
14136 \prune\fslice\linewidth
14137 \topheight=0pt
14138 \ifnum\dp\fslice>\dp\wstrutbox
14139     \advance\topheight-\dp\fslice
14140     \advance\topheight\dp\wstrutbox
14141     \advance\topheight\ilg\fi
14142 \hbox to\linewidth{\box\fslice}
14143 \vskip-\topheight
14144 \ifdim\ht\holder>0pt\repeat
14145 \fi
14146 %
14147 % Now we build the boxes beside the window
14148 %
14149 \global\topheight=\tcl\baselineskip
14150 \ifnum\cumpartcl>0\global\tcl=\cumtcl

```



```

14151      \global\topheight=\vpic
14152 \fi
14153 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14154 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14155 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14156 \tcn=\tcl \na=0 \nb=0
14157 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14158 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14159 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14160 \ifnum\na=0\ifnum\nb=0
14161      \setbox\waslice=\vbox to\vpic{\vss}
14162      \setbox\wbslice=\vbox to\vpic{\vss}
14163      \bl=1\br=1
14164      \vskip\ilg
14165 \fi\fi
14166 %
14167 % both sides
14168 %
14169 \ifnum\na>0 \ifnum\nb>0
14170 \loop\advance\nb -1
14171 \advance\na -1
14172 \if@RTL%
14173 \setbox\bslice=\vsplit\holder to\baselineskip
14174 \prune\bslice\rtside
14175 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14176 to\rtside{\box\bslice\hfil}}
14177 \setbox\aslice=\vsplit\holder to\baselineskip
14178 \prune\aslice\lftside
14179 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14180 to\lftside{\box\aslice\hfil}}
14181 \else%
14182 \setbox\aslice=\vsplit\holder to\baselineskip
14183 \prune\aslice\lftside
14184 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14185 to\lftside{\box\aslice\hfil}}
14186 \setbox\bslice=\vsplit\holder to\baselineskip
14187 \prune\bslice\rtside
14188 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14189 to\rtside{\box\bslice\hfil}}
14190 \fi%
14191 \ifnum\nb>0\repeat
14192 \fi\fi
14193 %
14194 % only text on the left side
14195 %
14196 \ifnum\na>0
14197      \loop\advance\na -1
14198      \setbox\aslice=\vsplit\holder to\baselineskip
14199      \prune\aslice\lftside
14200      \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

14201 to\leftside{\box\aslice\hfil}}
14202 \ifdim\ht\holder>0pt\repeat
14203 \fi
14204 %
14205 % only text on the right side
14206 %
14207 \ifnum\nb>0
14208 \loop\advance\nb -1
14209 \setbox\bslice=\vsplit\holder to\baselineskip
14210 \prune\bslice\rtside
14211 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14212 to\rtside{\box\bslice\hfil}}
14213 \ifdim\ht\holder>0pt\repeat
14214 \fi
14215 %
14216 % fixing the dimensions of the window part
14217 %
14218 \ifnum\bl=0\topheight=\ht\wbslice
14219 \else\ifnum\br=0\topheight=\ht\waslice
14220 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
14221 \else\topheight=\ht\wbslice\fi\fi\fi
14222 %
14223 % ship out the window material to the main vertical list
14224 %
14225 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14226 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14227 \fi\fi\fi
14228 \setbox>windowbox=\vbox{\hbox to\linewidth{%
14229 \ifnum\bl>0\box\waslice\hfill\fi%
14230 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
14231 \vfill\unvbox\picbox%
14232 \ifnum\picwd>0\vfill\fi%
14233 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
14234 \unvbox>windowbox%
14235 \loop
14236 \setbox\bslice=\vsplit\rawtext to\baselineskip
14237 \prune\bslice\linewidth
14238 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14239 \unvbox\wbslice
14240 \ifdim\ht\rawtext>0pt
14241 \repeat
14242 }% FINITO

```

## 7.92 plain-xetex-bidi.def

```

14243 \def\TeXeTOn{\TeXeTstate=1 }
14244 \def\TeXeTOff{\TeXeTstate=0 }
14245 \TeXeTOn
14246 \def\usebox#1{\leavevmode\copy #1\relax}
14247 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox

```



```

14248 \let\bidio@everypar=\everypar
14249 \newtoks\bidin@everypar
14250 \bidin@everypar\expandafter{\the\bidio@everypar}
14251 \bidio@everypar{\bidin@everypar\the\bidin@everypar}
14252 \let\everypar=\bidin@everypar
14253 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
14254 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
14255 \protected\def\hboxR{\hbox\bgroup
14256 \everyhbox{%
14257 \aftergroup\egroup
14258 \everyhbox{}}%
14259 \beginR
14260 \bgroup
14261 \aftergroup\endR
14262 \aftergroup\egroup
14263 }\hbox}
14264 \protected\def\hboxL{\hbox\bgroup
14265 \everyhbox{%
14266 \aftergroup\egroup
14267 \everyhbox{}}%
14268 \beginL
14269 \bgroup
14270 \aftergroup\endL
14271 \aftergroup\egroup
14272 }\hbox}
14273 \protected\def\vboxR{\vbox\bgroup
14274 \everyvbox{%
14275 \aftergroup\egroup
14276 \everyvbox{}}%
14277 \@RTLtrue
14278 \bgroup
14279 \aftergroup\egroup
14280 }\vbox}
14281 \protected\def\vboxL{\vbox\bgroup
14282 \everyvbox{%
14283 \aftergroup\egroup
14284 \everyvbox{}}%
14285 \@RTLfalse
14286 \bgroup
14287 \aftergroup\egroup
14288 }\vbox}
14289 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
14290 \def\endLTR{\par}
14291 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
14292 \def\endRTL{\par}
14293 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
14294 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
14295 \let\unsetRTL=\setLTR
14296 \let\unsetLTR=\setRTL
14297 \let\LR=\LRE

```



```

14298 \let\RL=\RLE
14299 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
14300 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
14301 \let\@ensure@RL=\@ensure@RTL
14302 \let\@ensure@LR=\@ensure@LTR
14303 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
14304 \let\@ensure@maindir=\@ensure@dir
14305 \def\@RTL{RTL}
14306 \def\@LTR{LTR}
14307 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
14308 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
14309 \let\@TeX\TeX
14310 \def\TeX{\@ensure@LTR{\@TeX}}
14311 \long\def\@bidi@reflect@box#1{%
14312   \leavevmode
14313   \setbox\z@\hbox{#1}%
14314   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
14315   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
14316 }
14317 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
14318   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
14319 \let\setRL=\setRTL
14320 \let\setLR=\setLTR
14321 \let\unsetRL=\setLTR
14322 \let\@bidi@sav@eqno=\eqno
14323 \let\@bidi@sav@leqno=\leqno
14324 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@leqno \else \@bidi@sav@eqno \fi}
14325 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@leqno \fi}
14326 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14327 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14328 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

### 7.93 pstricks-xetex-bidi.def

```

14329 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for
14330 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14331 \def\endpspicture{%
14332   \ifshowgrid\ifnum\showgridp>0
14333     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
14334   \pst@killglue
14335 % \global\pst@shift=\pst@shift% in fact of the following endgroup
14336   \endgroup
14337   \egroup
14338   \ifdim\wd\pst@hbox=\z@\else
14339     %\@pstrickserr{Extraneous space in the pspicture environment}%
14340     %\Type \space <return> \space to proceed.}%
14341   \fi
14342   \ht\pst@hbox=\pst@dimd
14343   \dp\pst@hbox=-\pst@dimb
14344   \setbox\pst@hbox=\hbox{%

```





```

14345 \kern-\pst@dima
14346 % Orig version -----
14347 %\ifx\pst@tempa\@empty\else
14348 %\advance\pst@dimd-\pst@dimb
14349 %\pst@dimd=\pst@tempa\pst@dimd
14350 %\advance\pst@dimd\pst@dimb
14351 %\lower\pst@dimd
14352 %\fi
14353 %----- end Orig
14354 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
14355 \advance\pst@dimd-\pst@dimb
14356 \pst@dimd=0.5\pst@dimd
14357 \else\pst@dimd-\pst@shift\fi
14358 \advance\pst@dimd\pst@dimb
14359 \lower\pst@dimd
14360 \box\pst@hbox
14361 \kern\pst@dimc}%
14362 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
14363 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
14364 \fboxsep=0pt
14365 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
14366 \ifmmode\else\endL\fi
14367 \endgroup%
14368 \psset{pstricks}{shift=0}% reset value
14369 }

```

## 7.94 quotchap-xetex-bidi.def

```

14370 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
14371 \renewcommand{\qauthor}[1]{%
14372 \par\smallskip
14373 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}}\par}\bigskip}
14374 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
14375 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
14376 {\chapnumfont
14377 \ifnum \c@secnumdepth >\m@ne%
14378 \if@mainmatter\thechapter%
14379 \fi\fi
14380 \par\nobreak}%
14381 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10em}
14382 \nobreak\chapterheadendvskip}}
14383 \renewcommand*{\@iprintcites}{%
14384 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
14385 \global\let\@printcites\relax}

```

## 7.95 ragged2e-xetex-bidi.def

```

14386 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
14387 \renewcommand{\Centering}{%
14388 \ifx\\ \@raggedtwoe@savdcr
14389 \let\\ \@centercr

```



```

14390 \fi
14391 \let\@gnewline\@raggedtwoe@gnewline
14392 \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
14393 \@rightskip\CenteringRightskip
14394 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14395 \parfillskip\CenteringParfillskip
14396 \parindent\CenteringParindent
14397 \@raggedtwoe@spaceskiptrue
14398 \@raggedtwoe@everyselectfont
14399 }
14400 \renewcommand{\RaggedLeft}{%
14401 \ifx\\@raggedtwoe@savedcr
14402 \let\\@centercr
14403 \fi
14404 \let\@gnewline\@raggedtwoe@gnewline
14405 \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
14406 \@rightskip\RaggedLeftRightskip
14407 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14408 \parfillskip\RaggedLeftParfillskip
14409 \parindent\RaggedLeftParindent
14410 \@raggedtwoe@spaceskiptrue
14411 \@raggedtwoe@everyselectfont
14412 }
14413 \renewcommand{\RaggedRight}{%
14414 \ifx\\@raggedtwoe@savedcr
14415 \let\\@centercr
14416 \fi
14417 \let\@gnewline\@raggedtwoe@gnewline
14418 \if@RTL\rightright\else\leftskip\fi\RaggedRightLeftskip
14419 \@rightskip\RaggedRightRightskip
14420 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14421 \parfillskip\RaggedRightParfillskip
14422 \parindent\RaggedRightParindent
14423 \@raggedtwoe@spaceskiptrue
14424 \@raggedtwoe@everyselectfont
14425 }
14426 \renewcommand{\justifying}{%
14427 \let\\@raggedtwoe@savedcr
14428 \let\@gnewline\@raggedtwoe@saved@gnewline
14429 \if@RTL\rightright\else\leftskip\fi\z@
14430 \@rightskip\z@
14431 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14432 \parfillskip\JustifyingParfillskip
14433 \parindent\JustifyingParindent
14434 \@raggedtwoe@spaceskipfalse
14435 \@raggedtwoe@everyselectfont
14436 }
14437 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{
14438 \CheckCommand*{\@arrayparboxrestore}{%
14439 \let\if@nobreak\iffalse

```



```

14440 \let\if@noskipsec\iffalse
14441 \let\par\@par
14442 \let\-\@dischyph
14443 \let\'\'@acci\let\'\'@accii\let\=\@acciii
14444 \parindent\z@ \parskip\z@skip
14445 \everypar{}%
14446 \linewidth\hsize
14447 \@totalleftmargin\z@
14448 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right.
14449 \parfillskip\@flushglue \lineskip\normallineskip
14450 \baselineskip\normalbaselineskip
14451 \sloppy}%
14452 \renewcommand{\@arrayparboxrestore}{%
14453 \let\if@nobreak\iffalse
14454 \let\if@noskipsec\iffalse
14455 \let\par\@par
14456 \let\-\@dischyph
14457 \let\'\'@acci\let\'\'@accii\let\=\@acciii
14458 \parskip\z@skip
14459 \everypar{}%
14460 \linewidth\hsize
14461 \@totalleftmargin\z@
14462 \RaggedRight
14463 \lineskip\normallineskip
14464 \baselineskip\normalbaselineskip
14465 \sloppy}%
14466 \let\@raggedtwoe@raggedrightboxes@opt\relax
14467 }
14468 \let\origin@RaggedLeft=\RaggedLeft
14469 \let\origin@RaggedRight=\RaggedRight
14470 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14471 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 7.96 rapport1-xetex-bidi.def

```

14472 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for Xe
14473 \renewenvironment{theindex}{%
14474 \if@twocolumn
14475 \@restonecolfalse
14476 \else
14477 \@restonecoltrue
14478 \fi
14479 \columnseprule \z@
14480 \columnsep 35\p@
14481 \twocolumn[\@makeschapterhead{\indexname}]%
14482 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
14483 \thispagestyle{plain}\parindent\z@
14484 \parskip\z@ \@plus .3\p@\relax
14485 \let\item\@idxitem
14486 }{%

```



```

14487 \if@restonecol\onecolumn\else\clearpage\fi}
14488 \renewcommand*\head@style{%
14489     \interlinepenalty \@M
14490     \hyphenpenalty=\@M \exhyphenpenalty=\@M
14491     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14492 \if@titlepage
14493     \renewenvironment{abstract}{%
14494         \titlepage
14495         \null\vfil
14496         \section*{\SectFont\abstractname}%
14497         \noindent\ignorespaces}
14498     {\par\vfil\null\endtitlepage}
14499 \else
14500     \renewenvironment{abstract}{%
14501         \if@twocolumn
14502             \section*{\abstractname}%
14503         \else
14504             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14505             \section*{\small\SectFont\abstractname}%
14506             \noindent\ignorespaces
14507         \fi}
14508     {\if@twocolumn\else\par\egroup\fi}
14509 \fi
14510 \renewcommand*\@regtocline[3]{%
14511     \ifnum #1>\c@tocdepth
14512     \else
14513         \vskip\z@\@plus.2\p@
14514         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14515         \if@RTL\rightskip\else\leftskip\fi\unitindent
14516         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14517         \parfillskip\z@
14518         \@tempdima\unitindent
14519         \parindent\z@
14520         \leavevmode
14521         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14522         \hskip 1em \nobreak{\slshape #3}\par
14523         }%
14524     \fi}
14525 \if@oldtoc
14526 \renewcommand*\l@part[2]{%
14527     \ifnum \c@tocdepth >-2\relax
14528         \addpenalty{-\@highpenalty}%
14529         \addvspace{2.25em \@plus\p@}%
14530         \begingroup
14531             \setlength\@tempdima{3em}%
14532             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14533             \parfillskip -\@pnumwidth
14534             {\leavevmode
14535                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14536             \nobreak

```



```

14537         \global\@nbreaktrue
14538         \everypar{\global\@nbreakfalse\everypar{}}%
14539     \endgroup
14540 \fi}
14541 \else
14542     \renewcommand*\l@part{%
14543         \ifnum \c@tocdepth >-2\relax
14544             \addpenalty{-\@highpenalty}%
14545             \addvspace{2.25em \@plus \p@}%
14546             \@regtocline{0}%
14547         \fi}
14548 \fi
14549 \if@oldtoc
14550 \renewcommand*\l@chapter[2]{%
14551     \addpenalty{-\@highpenalty}%
14552     \vskip 1.0em \@plus\p@
14553     \setlength\@tempdima{1.5em}%
14554     \begingroup
14555     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14556     \parfillskip -\@pnumwidth
14557     \leavevmode \bfseries
14558     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14559     \hskip -\if@RTL\rightskip\else\leftskip\fi
14560     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14561     \penalty\@highpenalty
14562 \endgroup}
14563 \else
14564     \renewcommand*\l@chapter{\@regtocline{0}}
14565 \fi
14566 \renewcommand*\left@footnoterule{%
14567     \kern-3\p@
14568     \kern.5\baselineskip
14569     \hrule\@width\unitindent
14570     \kern.4\baselineskip
14571 }
14572 \renewcommand*\right@footnoterule{%
14573     \kern-3\p@
14574     \kern.5\baselineskip
14575     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14576     \kern.4\baselineskip}
14577 \renewenvironment{thebibliography}[1]
14578     {\chapter*{\bibname}%
14579     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14580     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14581     \list{\@biblabel{\@arabic\c@enumiv}}%
14582     {\settowidth\labelwidth{\@biblabel{#1}}%
14583     \leftmargin\labelwidth
14584     \advance\leftmargin\labelsep
14585     \@openbib@code
14586     \usecounter{enumiv}%

```



```

14587         \let\p@enumiv\@empty
14588         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14589         \sloppy\clubpenalty4000\widowpenalty4000%
14590         \sfcode`\.\@m}
14591     {\def\@noitemerr
14592      {\@latex@warning{Empty `thebibliography' environment}}}%
14593     \endlist}
14594 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14595 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14596 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14597 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14598 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14599 \renewcommand*\theequation{%
14600   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14601 \renewcommand*\thefigure{%
14602   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14603 \renewcommand*\thetable{%
14604   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14605 \if@titlepage
14606 \renewcommand*\TitleFont{\rmfamily}
14607 \renewcommand*\maketitle{%
14608   \begin{titlepage}%
14609     \let\footnotesize\small
14610     \let\right@footnoterule\relax
14611     \let\left@footnoterule\relax
14612     \let\textwidth\footnoterule\relax
14613     \let \footnote \thanks
14614     \long\def\@makefnmark##1{\parindent\z@
14615       \def\labelitemi{\textendash}\@revlabeltrue
14616       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14617     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14618     \if@compatibility\setcounter{page}{0}\fi
14619     \null\vfil
14620     \vskip 60\p@
14621     \begin{center}%
14622       \TitleFont
14623       {\LARGE \def\\{\penalty -\@M}
14624         \if@allcaps
14625           \expandafter\uc@nothanks\@title\thanks\relax
14626         \else
14627           \@title
14628         \fi\par}%
14629       \vskip 3em%
14630     {\large
14631       \lineskip .75em \parindent\z@
14632       \begin{tabular}[t]{c}%
14633         \if@allcaps
14634           \expandafter\uc@authornothanks\@author\and\relax
14635         \else
14636           \@author

```



```

14637         \fi
14638         \end{tabular}\par}%
14639         \vskip 1.5em%
14640         {\large
14641         \if@allcaps
14642         \uppercase\expandafter{\@date}%
14643         \else
14644         \@date
14645         \fi\par}%
14646         \end{center}\par
14647         \@thanks
14648         \vfil\null
14649         \end{titlepage}%
14650         \setcounter{footnote}{0}%
14651         \global\let\thanks\relax
14652         \global\let\maketitle\relax
14653         \global\let\@thanks\@empty
14654         \global\let\@author\@empty
14655         \global\let\@title\@empty
14656         \global\let\@date\@empty
14657         \global\let\title\relax
14658         \global\let\author\relax
14659         \global\let\date\relax
14660         \global\let\and\relax
14661 }
14662 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14663 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14664     \futurelet\@tempa\uc@ax}
14665 \def\uc@ax{%
14666     \ifx\@tempa\relax
14667     \else
14668     \ \ \andname \ \ \expandafter\uc@authornothanks
14669     \fi}
14670 \def\uc@tx{\ifx\@tempa\relax
14671     \else \expandafter\uc@ty \fi}
14672 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14673 \else
14674 \renewcommand*\maketitle{\par
14675     \begingroup
14676     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14677     \def\@makefnmark{\rlap{%
14678         \@textsuperscript{\normalfont\@thefnmark}}}%
14679     \long\def\@makefntext{\@xmakefntext{%
14680         \@textsuperscript{\normalfont\@thefnmark}}}%
14681     \if@twocolumn
14682     \ifnum \col@number=\@ne
14683     \@maketitle
14684     \else
14685     \twocolumn[\@maketitle]%
14686     \fi

```



```

14687 \else
14688 \newpage
14689 \global\@topnum\z@
14690 \@maketitle
14691 \fi
14692 \thispagestyle{plain}\@thanks
14693 \endgroup
14694 \setcounter{footnote}{0}%
14695 \global\let\thanks\relax
14696 \global\let\maketitle\relax
14697 \global\let\@maketitle\relax
14698 \global\let\@thanks\@empty
14699 \global\let\@author\@empty
14700 \global\let\@title\@empty
14701 \global\let\@date\@empty
14702 \global\let\title\relax
14703 \global\let\author\relax
14704 \global\let\date\relax
14705 \global\let\and\relax
14706 }
14707 \def\@maketitle{%
14708 \newpage
14709 \null
14710 \vskip 2em%
14711 \begin{center}%
14712 \let \footnote \thanks
14713 {\LARGE \TitleFont \@title \par}%
14714 \vskip 1.5em%
14715 {\large \TitleFont
14716 \lineskip .5em%
14717 \begin{tabular}[t]{c}%
14718 \@author
14719 \end{tabular}\par}%
14720 \vskip 1em%
14721 {\large \TitleFont \@date}%
14722 \end{center}%
14723 \par
14724 \vskip 1.5em}
14725 \fi

```

## 7.97 rapport3-xetex-bidi.def

```

14726 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
14727 \renewenvironment{theindex}{%
14728 \if@twocolumn
14729 \@restonecolfalse
14730 \else
14731 \@restonecoltrue
14732 \fi
14733 \columnseprule \z@

```





```

14734 \columnsep 35\p@
14735 \twocolumn[\@makeschapterhead{\indexname}]%
14736 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
14737 \thispagestyle{plain}\parindent\z@
14738 \parskip\z@ \@plus .3\p@\relax
14739 \let\item\@idxitem
14740 }{%
14741 \if@restonecol\onecolumn\else\clearpage\fi}
14742 \if@titlepage
14743 \renewcommand*\TitleFont{\rmfamily}
14744 \renewcommand*\maketitle{%
14745 \begin{titlepage}%
14746 \let\footnotesize\small
14747 \let\right@footnoterule\relax
14748 \let\left@footnoterule\relax
14749 \let\textwidth@footnoterule\relax
14750 \let \footnote \thanks
14751 \let \LTRfootnote \LTRthanks
14752 \let \RTLfootnote \RTLthanks
14753 \long\def\@makefnmark##1{\parindent\z@
14754 \def\labelitemi{\textendash}\@revlabeltrue
14755 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14756 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14757 \if@compatibility\setcounter{page}{0}\fi
14758 \null\vfil
14759 \vskip 60\p@
14760 \begin{center}%
14761 \TitleFont
14762 {\LARGE \def\\{\penalty -\@M}
14763 \if@allcaps
14764 \expandafter\uc@nothanks\@title\thanks\relax
14765 \else
14766 \@title
14767 \fi\par}%
14768 \vskip 3em%
14769 {\large
14770 \lineskip .75em \parindent\z@
14771 \begin{tabular}[t]{c}%
14772 \if@allcaps
14773 \expandafter\uc@authornothanks\@author\and\relax
14774 \else
14775 \@author
14776 \fi
14777 \end{tabular}\par}%
14778 \vskip 1.5em%
14779 {\large
14780 \if@allcaps
14781 \uppercase\expandafter{\@date}%
14782 \else
14783 \@date

```



```

14784         \fi\par}%
14785     \end{center}\par
14786     \@thanks
14787     \vfil\null
14788 \end{titlepage}%
14789 \setcounter{footnote}{0}%
14790 \global\let\thanks\relax
14791 \global\let\LTrthanks\relax
14792 \global\let\RTLthanks\relax
14793 \global\let\maketitle\relax
14794 \global\let\@thanks\@empty
14795 \global\let\@author\@empty
14796 \global\let\@title\@empty
14797 \global\let\@date\@empty
14798 \global\let\title\relax
14799 \global\let\author\relax
14800 \global\let\date\relax
14801 \global\let\and\relax
14802 }
14803 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14804 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14805     \futurelet\@tempa\uc@ax}
14806 \def\uc@ax{%
14807     \ifx\@tempa\relax
14808     \else
14809         \\\andname \\\expandafter\uc@authornothanks
14810     \fi}
14811 \def\uc@tx{\ifx\@tempa\relax
14812     \else \expandafter\uc@ty \fi}
14813 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14814 \else
14815 \renewcommand*\maketitle{\par
14816     \begingroup
14817     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14818     \def\@makefnmark{\rlap{%
14819         \@textsuperscript{\normalfont\@thefnmark}}}%
14820     \long\def\@makefntext{\@xmakefntext{%
14821         \@textsuperscript{\normalfont\@thefnmark}}}%
14822     \if@twocolumn
14823         \ifnum \col@number=\@ne
14824             \@maketitle
14825         \else
14826             \twocolumn[\@maketitle]%
14827         \fi
14828     \else
14829         \newpage
14830         \global\@topnum\z@
14831         \@maketitle
14832     \fi
14833     \thispagestyle{plain}\@thanks

```



```

14834 \endgroup
14835 \setcounter{footnote}{0}%
14836 \global\let\thanks\relax
14837 \global\let\LTRthanks\relax
14838 \global\let\RTLthanks\relax
14839 \global\let\maketitle\relax
14840 \global\let\@maketitle\relax
14841 \global\let\@thanks\@empty
14842 \global\let\@author\@empty
14843 \global\let\@title\@empty
14844 \global\let\@date\@empty
14845 \global\let\title\relax
14846 \global\let\author\relax
14847 \global\let\date\relax
14848 \global\let\and\relax
14849 }
14850 \def\@maketitle{%
14851 \newpage
14852 \null
14853 \vskip 2em%
14854 \if@titlecentered
14855 \begin{center}%
14856 \let \footnote \thanks
14857 \let \LTRfootnote \LTRthanks
14858 \let \RTLfootnote \RTLthanks
14859 {\LARGE \TitleFont \@title \par}%
14860 \vskip 1.5em%
14861 {\large \TitleFont
14862 \lineskip .5em%
14863 \begin{tabular}[t]{c}%
14864 \@author
14865 \end{tabular}\par}%
14866 \vskip 1em%
14867 {\large \TitleFont \@date}%
14868 \end{center}%
14869 \else
14870 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
14871 {\large \TitleFont \lineskip .5em \tabcolsep\z@
14872 \def\and{%% \begin{tabular} has already started
14873 \end{tabular}\hskip 1em plus .17fil
14874 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
14875 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
14876 \vskip 1em {\large \TitleFont \@date}
14877 \fi
14878 \par
14879 \vskip 1.5em}
14880 \fi
14881 \renewcommand*\@regtocline[3]{%
14882 \ifnum #1>\c@tocdepth
14883 \else

```



```

14884 \vskip\z@\@plus.2\p@
14885 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14886 \if@RTL\rightskip\else\leftskip\fi\unitindent
14887 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14888 \parfillskip\z@
14889 \@tempdima\unitindent
14890 \parindent\z@
14891 \leavevmode
14892 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14893 \hskip 1em \nobreak{\slshape #3}\par
14894 }%
14895 \fi}
14896 \if@oldtoc
14897 \renewcommand*\l@part[2]{%
14898 \ifnum \c@tocdepth >-2\relax
14899 \addpenalty{-\@highpenalty}%
14900 \addvspace{2.25em \@plus\p@}%
14901 \begingroup
14902 \setlength\@tempdima{3em}%
14903 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14904 \parfillskip -\@pnumwidth
14905 {\leavevmode
14906 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14907 \nobreak
14908 \global\@nobreaktrue
14909 \everypar{\global\@nobreakfalse\everypar{}}%
14910 \endgroup
14911 \fi}
14912 \else
14913 \renewcommand*\l@part{%
14914 \ifnum \c@tocdepth >-2\relax
14915 \addpenalty{-\@highpenalty}%
14916 \addvspace{2.25em \@plus \p@}%
14917 \@regtocline{0}%
14918 \fi}
14919 \fi
14920 \if@oldtoc
14921 \renewcommand*\l@chapter[2]{%
14922 \addpenalty{-\@highpenalty}%
14923 \vskip 1.0em \@plus\p@
14924 \setlength\@tempdima{1.5em}%
14925 \begingroup
14926 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14927 \parfillskip -\@pnumwidth
14928 \leavevmode \bfseries
14929 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14930 \hskip -\if@RTL\rightskip\else\leftskip\fi
14931 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14932 \penalty\@highpenalty
14933 \endgroup}

```



```

14934 \else
14935   \renewcommand*\l@chapter{\@regtocline{0}}
14936 \fi
14937 \renewcommand*\head@style{%
14938   \interlinepenalty \@M
14939   \hyphenpenalty=\@M \exhyphenpenalty=\@M
14940   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14941 \if@titlepage
14942   \renewenvironment{abstract}{%
14943     \titlepage
14944     \null\vfil
14945     \section*{\SectFont\abstractname}%
14946     \noindent\ignorespaces
14947     {\par\vfil\null\endtitlepage}
14948 \else
14949   \renewenvironment{abstract}{%
14950     \if@twocolumn
14951       \section*{\abstractname}%
14952     \else
14953       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14954       \section*{\small\SectFont\abstractname}%
14955       \noindent\ignorespaces
14956     \fi}
14957   {\if@twocolumn\else\par\egroup\fi}
14958 \fi
14959 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14960 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14961 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14962 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14963 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14964 \renewcommand*\thefigure{%
14965   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14966 \renewcommand*\thetable{%
14967   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14968 \renewcommand*\theequation{%
14969   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14970 \renewenvironment{thebibliography}[1]
14971   {\chapter*{\bibname}%
14972    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14973    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14974    \list{\@biblabel{\@arabic\c@enumiv}}%
14975      {\settowidth\labelwidth{\@biblabel{#1}}%
14976       \leftmargin\labelwidth
14977       \advance\leftmargin\labelsep
14978       \@openbib@code
14979       \usecounter{enumiv}%
14980       \let\p@enumiv\@empty
14981       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14982    \sloppy\clubpenalty4000\widowpenalty4000
14983    \sfcode`\.\@m}

```



```

14984      {\def\@noitemerr
14985        {\@latex@warning{Empty `thebibliography' environment}}}%
14986        \endlist}
14987 \renewcommand*\left@footnoterule{%
14988   \kern-3\p@
14989   \kern.5\baselineskip
14990   \hrule\@width\unitindent
14991   \kern.4\baselineskip
14992 }
14993 \renewcommand*\right@footnoterule{%
14994   \kern-3\p@
14995   \kern.5\baselineskip
14996   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14997   \kern.4\baselineskip}
14998 \renewcommand*\head@style{%
14999   \interlinepenalty \@M
15000   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15001   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

## 7.98 refrep-xetex-bidi.def

```

15002 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
15003 \if@titlepage
15004   \renewcommand\maketitle{\begin{titlepage}%
15005     \let\footnotesize\small
15006     \let\right@footnoterule\relax
15007     \let\left@footnoterule\relax
15008     \let\textwidth\footnoterule\relax
15009     \let\footnote\thanks
15010     \let\LTRfootnote\LTRthanks
15011     \let\RTLfootnote\RTLthanks
15012     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15013     \def\@makefnmark%
15014       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15015     \long\def\@makefntext##1{%
15016       \setpar{\@par
15017         \@tempdima = \hsize
15018         \advance\@tempdima -1em
15019         \parshape \@ne 1em \@tempdima}%
15020       \par\parindent 1em \noindent
15021       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15022     \null\vfil
15023     \vskip 60\p@
15024     \begin{center}%
15025       {\LARGE \@title \par}%
15026       \vskip 3em%
15027       {\large
15028         \lineskip .75em%
15029         \begin{tabular}[t]{c}%
15030           \@author

```



```

15031     \end{tabular}\par}%
15032     \vskip 1.5em%
15033     {\large \@date \par}%           % Set date in \large size.
15034 \end{center}\par
15035 \@thanks
15036 \vfil\null
15037 \end{titlepage}%
15038 \setcounter{footnote}{0}%
15039 \global\let\thanks\relax
15040 \global\let\LTRthanks\relax
15041 \global\let\RTLthanks\relax
15042 \global\let\maketitle\relax
15043 \global\let\@thanks\@empty
15044 \global\let\@author\@empty
15045 \global\let\@date\@empty
15046 \global\let\@title\@empty
15047 \global\let\title\relax
15048 \global\let\author\relax
15049 \global\let\date\relax
15050 \global\let\and\relax
15051 }
15052 \else
15053 \renewcommand\maketitle{\par
15054   \begingroup
15055     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15056     \def\@makefnmark%
15057       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15058     \long\def\@makefntext##1{%
15059       \@setpar{\@@par
15060         \@tempdima = \hsize
15061         \advance\@tempdima -1em
15062         \parshape \@ne 1em \@tempdima}%
15063       \par\parindent 1em \noindent
15064       \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15065     \if@twocolumn
15066       \ifnum \col@number=\@ne
15067         \@maketitle
15068       \else
15069         \twocolumn[\@maketitle]%
15070       \fi
15071     \else
15072       \newpage
15073       \global\@topnum\z@ % Prevents figures from going at top of page.
15074       \@maketitle
15075     \fi
15076     \thispagestyle{empty}\@thanks
15077   \endgroup
15078   \setcounter{footnote}{0}%
15079   \global\let\thanks\relax
15080   \global\let\LTRthanks\relax

```



```

15081 \global\let\RTLthanks\relax
15082 \global\let\maketitle\relax
15083 \global\let\@maketitle\relax
15084 \global\let\@thanks\@empty
15085 \global\let\@author\@empty
15086 \global\let\@date\@empty
15087 \global\let\@title\@empty
15088 \global\let\title\relax
15089 \global\let\author\relax
15090 \global\let\date\relax
15091 \global\let\and\relax
15092 }
15093 \def\@maketitle{%
15094   \newpage
15095   \null
15096   \longthickrule\vskip1.5em%
15097   \let \footnote \thanks
15098   \let \LTRfootnote \LTRthanks
15099   \let \RTLfootnote \RTLthanks
15100   {\secshape \parskip\z@ \parindent\z@
15101   \Large\bfseries \@title \par}%
15102   \vskip1.5em\longthickrule\vskip1.5em%
15103   {\normalsize
15104     \lineskip .5em%
15105     \begin{flushright}%
15106       {\slshape\@author\par}
15107       \vskip 1em%
15108       {\@date}%
15109     \end{flushright}\par}%
15110   \vskip 1.5em}
15111 \fi
15112 \renewcommand*\l@part[2]{%
15113   \ifnum \c@tocdepth >-2\relax
15114     \addpenalty{-\@highpenalty}%
15115     \addvspace{2.25em \@plus\p@}%
15116     \begingroup
15117       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15118       \parfillskip -\@pnumwidth
15119       {\leavevmode
15120         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15121       \nobreak
15122       \global\@nobreaktrue
15123       \everypar{\global\@nobreakfalse\everypar{}}%
15124     \endgroup
15125   \fi}
15126 \renewcommand*\l@chapter[2]{%
15127   \ifnum \c@tocdepth >\m@ne
15128     \addpenalty{-\@highpenalty}%
15129     \vskip 1.0em \@plus\p@
15130     \setlength\@tempdima{1.5em}%

```





```

15131 \begingroup
15132 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15133 \parfillskip -\@pnumwidth
15134 \leavevmode \bfseries
15135 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15136 \hskip -\if@RTL\rightskip\else\leftskip\fi
15137 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15138 \penalty\@highpenalty
15139 \endgroup
15140 \fi}
15141 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15142 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15143 \hyphenpenalty=2000}
15144 \renewcommand\left@footnoterule{%
15145 \kern-3\p@
15146 \hrule\@width.4\columnwidth
15147 \kern 2.6\p@}
15148 \renewcommand\right@footnoterule{%
15149 \kern-3\p@
15150 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15151 \kern2.6\p@}
15152 \renewcommand\theequation
15153 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15154 \renewcommand\thefigure
15155 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15156 \renewcommand\thetable%
15157 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15158 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15159 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15160 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15161 \renewcommand\theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
15162 \renewcommand\thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
15163 \renewenvironment{thebibliography}[1]
15164 {\chapter*{\bibname
15165 \mkboth{\bibname}{\bibname}}%
15166 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15167 \list{\@biblabel{\@arabic\c@enumiv}}%
15168 {\settowidth\labelwidth{\@biblabel{#1}}%
15169 \leftmargin\labelwidth
15170 \advance\leftmargin\labelsep
15171 \@openbib@code
15172 \usecounter{enumiv}%
15173 \let\p@enumiv\@empty
15174 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15175 \sloppy
15176 \clubpenalty4000
15177 \@clubpenalty \clubpenalty
15178 \widowpenalty4000%
15179 \sfcode`\.=\@m}
15180 {\def\@noitemerr

```



```

15181      {\@latex@warning{Empty `thebibliography' environment}}}%
15182      \endlist}

```

## 7.99 report-xetex-bidi.def

```

15183 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
15184 \renewenvironment{theindex}
15185     {\if@twocolumn
15186       \@restonecolfalse
15187       \else
15188       \@restonecoltrue
15189       \fi
15190       \columnseprule \z@
15191       \columnsep 35\p@
15192       \twocolumn[\@makeschapterhead{\indexname}]%
15193       \@mkboth{\MakeUppercase\indexname}%
15194               {\MakeUppercase\indexname}%
15195       \thispagestyle{plain}\parindent\z@
15196       \parskip\z@ \@plus .3\p@\relax
15197       \let\item\@idxitem}
15198     {\if@restonecol\onecolumn\else\clearpage\fi}
15199 \if@titlepage
15200 \renewcommand\maketitle{\begin{titlepage}%
15201 \let\footnotesize\small
15202 \let\right@footnoterule\relax
15203 \let\left@footnoterule\relax
15204 \let\textwidth\footnoterule\relax
15205 \let \footnote \thanks
15206 \let \LTRfootnote \LTRthanks
15207 \let \RTLfootnote \RTLthanks
15208 \null\vfil
15209 \vskip 60\p@
15210 \begin{center}%
15211   {\LARGE \@title \par}%
15212   \vskip 3em%
15213   {\large
15214     \lineskip .75em%
15215     \begin{tabular}[t]{c}%
15216       \@author
15217     \end{tabular}\par}%
15218     \vskip 1.5em%
15219     {\large \@date \par}%           % Set date in \large size.
15220 \end{center}\par
15221 \@thanks
15222 \vfil\null
15223 \end{titlepage}%
15224 \setcounter{footnote}{0}%
15225 \global\let\thanks\relax
15226 \global\let\LTRthanks\relax
15227 \global\let\RTLthanks\relax

```



```

15228 \global\let\maketitle\relax
15229 \global\let\@thanks\@empty
15230 \global\let\@author\@empty
15231 \global\let\@date\@empty
15232 \global\let\@title\@empty
15233 \global\let\title\relax
15234 \global\let\author\relax
15235 \global\let\date\relax
15236 \global\let\and\relax
15237 }
15238 \else
15239 \renewcommand\maketitle{\par
15240 \begingroup
15241 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15242 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15243 \long\def\@makefntext##1{\parindent 1em\noindent
15244 \hb@xt@1.8em{%
15245 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15246 \if@twocolumn
15247 \ifnum \col@number=\@ne
15248 \@maketitle
15249 \else
15250 \twocolumn[\@maketitle]%
15251 \fi
15252 \else
15253 \newpage
15254 \global\@topnum\z@ % Prevents figures from going at top of page.
15255 \@maketitle
15256 \fi
15257 \thispagestyle{plain}\@thanks
15258 \endgroup
15259 \setcounter{footnote}{0}%
15260 \global\let\thanks\relax
15261 \global\let\LTRthanks\relax
15262 \global\let\RTLthanks\relax
15263 \global\let\maketitle\relax
15264 \global\let\@maketitle\relax
15265 \global\let\@thanks\@empty
15266 \global\let\@author\@empty
15267 \global\let\@date\@empty
15268 \global\let\@title\@empty
15269 \global\let\title\relax
15270 \global\let\author\relax
15271 \global\let\date\relax
15272 \global\let\and\relax
15273 }
15274 \def\@maketitle{%
15275 \newpage
15276 \null
15277 \vskip 2em%

```



```

15278 \begin{center}%
15279 \let \footnote \thanks
15280 \let \LTRfootnote \LTRthanks
15281 \let \RTLfootnote \RTLthanks
15282 {\LARGE \@title \par}%
15283 \vskip 1.5em%
15284 {\large
15285 \lineskip .5em%
15286 \begin{tabular}[t]{c}%
15287 \@author
15288 \end{tabular}\par}%
15289 \vskip 1em%
15290 {\large \@date}%
15291 \end{center}%
15292 \par
15293 \vskip 1.5em}
15294 \fi
15295 \renewcommand*\l@part[2]{%
15296 \ifnum \c@tocdepth >-2\relax
15297 \addpenalty{-\@highpenalty}%
15298 \addvspace{2.25em \@plus\p@}%
15299 \setlength\@tempdima{3em}%
15300 \begingroup
15301 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15302 \parfillskip -\@pnumwidth
15303 {\leavevmode
15304 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15305 \nobreak
15306 \global\@nobreaktrue
15307 \everypar{\global\@nobreakfalse\everypar{}}%
15308 \endgroup
15309 \fi}
15310 \renewcommand*\l@chapter[2]{%
15311 \ifnum \c@tocdepth >\m@ne
15312 \addpenalty{-\@highpenalty}%
15313 \vskip 1.0em \@plus\p@
15314 \setlength\@tempdima{1.5em}%
15315 \begingroup
15316 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15317 \parfillskip -\@pnumwidth
15318 \leavevmode \bfseries
15319 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15320 \hskip -\if@RTL\rightskip\else\leftskip\fi
15321 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15322 \penalty\@highpenalty
15323 \endgroup
15324 \fi}
15325 \renewcommand\left@footnoterule{%
15326 \kern-3\p@
15327 \hrule\@width.4\columnwidth

```



```

15328 \kern2.6\p@}
15329 \renewcommand\right@footnoterule{%
15330 \kern-3\p@
15331 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15332 \kern2.6\p@}
15333 \renewcommand\theequation
15334 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15335 \renewcommand \thefigure
15336 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15337 \renewcommand \thetable
15338 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15339 \renewcommand \thechapter {\@arabic\c@chapter}
15340 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15341 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15342 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15343 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15344 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15345 \def\@makechapterhead#1{%
15346 \vspace*{50\p@}%
15347 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15348 \ifnum \c@secnumdepth >\m@ne
15349 \huge\bfseries \@chapapp\space \thechapter
15350 \par\nobreak
15351 \vskip 20\p@
15352 \fi
15353 \interlinepenalty\@M
15354 \Huge \bfseries #1\par\nobreak
15355 \vskip 40\p@
15356 }}
15357 \def\@makeschapterhead#1{%
15358 \vspace*{50\p@}%
15359 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15360 \normalfont
15361 \interlinepenalty\@M
15362 \Huge \bfseries #1\par\nobreak
15363 \vskip 40\p@
15364 }}
15365 \renewenvironment{thebibliography}[1]
15366 {\chapter*{\bibname}%
15367 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15368 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15369 \list{\@biblabel{\@arabic\c@enumiv}}%
15370 {\settowidth\labelwidth{\@biblabel{#1}}%
15371 \leftmargin\labelwidth
15372 \advance\leftmargin\labelsep
15373 \@openbib@code
15374 \usecounter{enumiv}%
15375 \let\p@enumiv\@empty
15376 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15377 \sloppy

```



```

15378 \clubpenalty4000
15379 \@clubpenalty \clubpenalty
15380 \widowpenalty4000%
15381 \sfcode`\.\@m}
15382 {\def\@noitemerr
15383 {\@latex@warning{Empty `thebibliography' environment}}}%
15384 \endlist}

```

## 7.100 rotating-xetex-bidi.def

```

15385 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
15386 \def\end@rotfloat{%
15387 \end{minipage}\end{lrbox}%
15388 \stepcounter{r@tfl@t}%
15389 \rot@label{RF\ther@tfl@t}%
15390 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15391 \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
15392 \rot@mess@toks\expandafter{\@tempa}
15393 \wd\rot@float@box\z@
15394 \ht\rot@float@box\z@
15395 \dp\rot@float@box\z@
15396 \vboxL to \textheight{%
15397 \setkeys{Grot}{units=360}%
15398 \if@rot@twoside
15399 \else
15400 \let\R@@page\rot@LR
15401 \fi
15402 \ifthenelse{\isodd{\R@@page}}{%
15403 \if@rot@twoside
15404 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15405 \fi
15406 \vfill
15407 \@@line{%
15408 \hskip\rotFPtop
15409 \rotatebox{90}{\box\rot@float@box}%
15410 \hskip\rotFPbot
15411 }%
15412 }{%
15413 \if@rot@twoside
15414 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15415 \fi
15416 \@@line{%
15417 \hskip\rotFPbot
15418 \rotatebox{-90}{\box\rot@float@box}%
15419 \hskip\rotFPtop
15420 }%
15421 \vfill
15422 }%
15423 \rot@message{\the\rot@mess@toks}
15424 }%

```



```

15425 \end@float
15426 }
15427 \let\endsidewaysfigure\end@rotfloat
15428 \let\endsidewaysstable\end@rotfloat
15429 \def\end@rotdblfloat{%
15430 \end{minipage}\end{lrbox}%
15431 \stepcounter{r@tfl@t}%
15432 \rot@label{RF\ther@tfl@t}%
15433 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15434 \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
15435 \rot@mess@toks\expandafter{\@tempa}
15436 \@tempdima\ht\rot@float@box
15437 \advance\@tempdima by \dp\rot@float@box
15438 \wd\rot@float@box\z@
15439 \ht\rot@float@box\z@
15440 \dp\rot@float@box\z@
15441 \vboxL to \textheight{%
15442 \setkeys{Grot}{units=360}%
15443 \if@rot@twoside
15444 \else
15445 \let\R@@page\rot@LR
15446 \fi
15447 \ifthenelse{\isodd{\R@@page}}{%
15448 \ifrot@messages
15449 \if@rot@twoside
15450 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
15451 \fi
15452 \fi
15453 \vfill
15454 \@@line{%
15455 \hskip\rotFPtop
15456 \rotatebox{90}{\box\rot@float@box}%
15457 \hskip\rotFPbot
15458 }%
15459 }{%
15460 \ifrot@messages
15461 \if@rot@twoside
15462 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15463 \fi
15464 \fi%
15465 \@@line{%
15466 \hskip\rotFPbot
15467 \rotatebox{-90}{\box\rot@float@box}%
15468 \hskip\rotFPtop
15469 }%
15470 \vfill
15471 }%
15472 \rot@message{\the\rot@mess@toks}%
15473 }%
15474 \end@dblfloat

```



```

15475 }
15476 \def\turn#1{%
15477   \Grot@setangle{#1}%
15478   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15479 \def\endturn{%
15480   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15481   \unskip\color@endbox
15482   \Grot@x\z@
15483   \Grot@y\z@
15484   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15485 }
15486 \def\rotate#1{%
15487   \Grot@setangle{#1}%
15488   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15489 \def\endrotate{%
15490   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15491   \unskip\color@endbox
15492   \Grot@x\z@
15493   \Grot@y\z@
15494   \wd0\z@\dp0\z@\ht0\z@
15495   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15496 }
15497 \def\turnbox#1#2{%
15498   \Grot@setangle{#1}%
15499   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15500   \Grot@x\z@\Grot@y\z@
15501   \wd0\z@\dp0\z@\ht0\z@
15502   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15503 }
15504 \def\sideways{%
15505   \Grot@setangle{90}%
15506   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15507 \def\endsideways{%
15508   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15509   \unskip\color@endbox
15510   \Grot@x\z@
15511   \Grot@y\z@
15512   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15513 }

```

## 7.101 scrartcl-xetex-bidi.def

```

15514 \ProvidesFile{scrartcl-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrartcl class for X
15515 \newcommand{\scr@saved@LTRfootnotetext}{}
15516 \newcommand{\scr@saved@RTLfootnotetext}{}
15517 \let\scr@saved@footnotetext\@footnotetext
15518 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15519 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15520 \renewcommand{\@footnotetext}[1]{%
15521   \scr@saved@footnotetext{#1}%

```





```

15522 \csname FN@mf@prepare\endcsname
15523 }
15524 \renewcommand{\@LTRfootnotetext}[1]{%
15525 \scr@saved@LTRfootnotetext{#1}%
15526 \csname FN@mf@prepare\endcsname
15527 }
15528 \renewcommand{\@RTLfootnotetext}[1]{%
15529 \scr@saved@RTLfootnotetext{#1}%
15530 \csname FN@mf@prepare\endcsname
15531 }
15532 \renewcommand\deffootnote[4][ ]{%
15533 \long\def\@makefnmark##1{%
15534 \setlength{\@tempdimc}{#3}%
15535 \def\@tempa{#1}\ifx\@tempa\@empty
15536 \setpar{\@par
15537 \@tempdima = \hsize
15538 \addtolength{\@tempdima}{-#2}%
15539 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15540 \else
15541 \addtolength{\@tempdimc}{#2}%
15542 \addtolength{\@tempdimc}{-#1}%
15543 \setpar{\@par
15544 \@tempdima = \hsize
15545 \addtolength{\@tempdima}{-#1}%
15546 \@tempdimb = \hsize
15547 \addtolength{\@tempdimb}{-#2}%
15548 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15549 }%
15550 \fi
15551 \par
15552 \parindent\@tempdimc\noindent
15553 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15554 }%
15555 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
15556 }
15557 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15558 \renewcommand*\left@footnoterule{%
15559 \normalsize\ftn@rule@test@values
15560 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15561 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15562 {\usekomafont{footnoterule}{%
15563 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15564 \kern 2.6\p}
15565 \renewcommand*\right@footnoterule{%
15566 \normalsize\ftn@rule@test@values
15567 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15568 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15569 {\usekomafont{footnoterule}{%
15570 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15571 \kern 2.6\p}

```



```

15572 \renewcommand*\maketitle[1][1]{%
15573   \if@titlepage
15574     \begin{titlepage}
15575       \setcounter{page}{%
15576         #1%
15577       }%
15578       \let\footnotesize\small
15579       \let\right@footnoterule\relax
15580       \let\left@footnoterule\relax
15581       \let\textwidth@footnoterule\relax
15582       \let\footnote\thanks
15583       \let\LTRfootnote\LTRthanks
15584       \let\RTLfootnote\RTLthanks
15585       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15586       \let\@oldmakefnmark\@makefnmark
15587       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15588       \ifx\@extratitle\@empty \else
15589         \noindent\@extratitle\next@tpage\cleardoubleemptypage
15590         \thispagestyle{empty}%
15591       \fi
15592       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15593       \ifx\@titlehead\@empty \else
15594         \begin{minipage}[t]{\textwidth}%
15595           \@titlehead
15596         \end{minipage}\par
15597       \fi
15598       \null\vfill
15599       \begin{center}
15600         \ifx\@subject\@empty \else
15601           {\subject@font \@subject \par}%
15602           \vskip 3em
15603         \fi
15604         {\titlefont\huge \@title\par}%
15605         \vskip 1em
15606         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15607         \vskip 2em
15608         {\Large \lineskip 0.75em
15609           \begin{tabular}[t]{c}
15610             \@author
15611           \end{tabular}\par
15612         }%
15613         \vskip 1.5em
15614         {\Large \@date \par}%
15615         \vskip \z@ \@plus3fill
15616         {\Large \@publishers \par}%
15617         \vskip 3em
15618       \end{center}\par
15619       \@thanks
15620       \vfill\null
15621     \if@twoside\next@tpage

```



```

15622     \begin{minipage}[t]{\textwidth}
15623         \@uppertitleback
15624     \end{minipage}\par
15625     \vfill
15626     \begin{minipage}[b]{\textwidth}
15627         \@lowertitleback
15628     \end{minipage}
15629 \fi
15630 \ifx\@dedication\@empty \else
15631     \next@tpage\null\vfill
15632     {\centering \Large \@dedication \par}%
15633     \vskip \z@ \@plus3fill
15634     \if@twoside \next@tpage\cleardoubleemptypage \fi
15635 \fi
15636 \end{titlepage}
15637 \else
15638     \par
15639     \@tempcnta=%
15640     #1%
15641     \relax\ifnum\@tempcnta=1\else
15642         \ClassWarning{KOMAClassName}{%
15643             Optional argument of \string\maketitle\space ignored
15644             at\MessageBreak
15645             notitlepage-mode%
15646         }%
15647     \fi
15648     \begingroup
15649         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15650         \let\@oldmakefnmark\@makefnmark
15651         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
15652         \if@twocolumn
15653             \ifnum \col@number=\@one
15654                 \@maketitle
15655             \else
15656                 \twocolumn[\@maketitle]%
15657             \fi
15658         \else
15659             \newpage
15660             \global\@topnum\z@
15661             \@maketitle
15662         \fi
15663         \thispagestyle{titlepagestyle}\@thanks
15664     \endgroup
15665 \fi
15666 \setcounter{footnote}{0}%
15667 \let\thanks\relax
15668 \let\LTRthanks\relax
15669 \let\RTLthanks\relax
15670 \let\maketitle\relax
15671 \let\@maketitle\relax

```



```

15672 \global\let\@thanks\@empty
15673 \global\let\@author\@empty
15674 \global\let\@date\@empty
15675 \global\let\@title\@empty
15676 \global\let\@subtitle\@empty
15677 \global\let\@extratitle\@empty
15678 \global\let\@titlehead\@empty
15679 \global\let\@subject\@empty
15680 \global\let\@publishers\@empty
15681 \global\let\@uppertitleback\@empty
15682 \global\let\@lowertitleback\@empty
15683 \global\let\@dedication\@empty
15684 \global\let\author\relax
15685 \global\let\title\relax
15686 \global\let\extratitle\relax
15687 \global\let\titlehead\relax
15688 \global\let\subject\relax
15689 \global\let\publishers\relax
15690 \global\let\uppertitleback\relax
15691 \global\let\lowertitleback\relax
15692 \global\let\dedication\relax
15693 \global\let\date\relax
15694 \global\let\and\relax
15695 }%
15696 \renewcommand*{\@maketitle}{%
15697   \clearpage
15698   \let\footnote\thanks
15699   \let\LTRfootnote\LTRthanks
15700   \let\RTLfootnote\RTLthanks
15701   \ifx\@extratitle\@empty \else
15702     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15703   \fi
15704   \setparsizes{\z@}{\z@}{\z@}{\z@}{\plus 1fil}\par@updaterelative
15705   \ifx\@titlehead\@empty \else
15706     \begin{minipage}[t]{\textwidth}
15707       \@titlehead
15708     \end{minipage}\par
15709   \fi
15710   \null
15711   \vskip 2em%
15712   \begin{center}%
15713     \ifx\@subject\@empty \else
15714       {\subject@font \@subject \par}
15715       \vskip 1.5em
15716     \fi
15717     {\titlefont\huge \@title \par}%
15718     \vskip .5em
15719     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15720     \vskip 1em
15721     {\Large

```



```

15722     \lineskip .5em%
15723     \begin{tabular}[t]{c}
15724         \@author
15725     \end{tabular}\par
15726 }%
15727 \vskip 1em%
15728 {\Large \@date \par}%
15729 \vskip \z@ \@plus 1em
15730 {\Large \@publishers \par}
15731 \ifx\@dedication\@empty \else
15732     \vskip 2em
15733     {\Large \@dedication \par}
15734 \fi
15735 \end{center}%
15736 \par
15737 \vskip 2em
15738 }%
15739 \renewcommand*\l@part[2]{%
15740     \ifnum \c@tocdepth >\m@ne\relax
15741         \addpenalty{\@secpenalty}%
15742         \addvspace{2.25em \@plus\p@}%
15743         \setlength{\@tempdima}{2em}%
15744         \if@tocleft
15745             \ifx\toc@l@number\@empty\else
15746                 \setlength{\@tempdima}{0\toc@l@number}%
15747             \fi
15748         \fi
15749         \begingroup
15750             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15751             \parfillskip -\@pnumwidth
15752             \leavevmode
15753             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15754             \hskip -\if@RTL\rightskip\else\leftskip\fi
15755             {\usekomafont{partentry}{#1\nobreak
15756                 \usekomafont{partentrypagenumber}{\hfil\nobreak
15757                     \hb@xt@\@pnumwidth{\hss#2}}}\par
15758             \ifnum \scr@compatibility>\@nameuse{scr@v02.96}\relax
15759             \endgroup
15760             \penalty20010
15761         \else
15762             \if@compatibility
15763                 \global\@nobreaktrue
15764                 \everypar{\global\@nobreakfalse\everypar{}}%
15765             \else
15766                 \penalty\@highpenalty
15767             \fi
15768         \endgroup
15769     \fi
15770 \fi
15771 }

```



```

15772 \renewcommand*\l@section[2]{%
15773   \ifnum \c@tocdepth >\z@
15774     \ifnum \lastpenalty<20009
15775       \addpenalty{\@secpenalty}%
15776     \fi
15777     \addvspace{1.0em \@plus\p@}%
15778     \setlength\@tempdima{1.5em}%
15779     \if@tocleft
15780       \ifx\toc@l@number\@empty\else
15781         \setlength\@tempdima{0\toc@l@number}%
15782       \fi
15783     \fi
15784     \begingroup
15785       \raggedsectionentry
15786       \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15787       \parfillskip -\@pnumwidth
15788       \interlinepenalty\@M
15789       \leavevmode
15790       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
15791       {\usekomafont{sectionentry}{#1\nobreak
15792        \usekomafont{sectionentrypagenumber}{%
15793         \hfill\nobreak
15794         \hb@xt@\@pnumwidth{\hss#2}}}\par
15795     \endgroup
15796     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15797     \penalty20008
15798   \fi
15799 \fi
15800 }
15801 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15802 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
15803 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15804 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
15805 \renewcommand*{\thesubsubsection}{%
15806   \thesubsection\@SepMark\@arabic\c@subsubsection
15807 }
15808 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15809 \renewcommand*{\thesubparagraph}{%
15810   \theparagraph\@SepMark\@arabic\c@subparagraph
15811 }
15812 \renewenvironment{thebibliography}[1]{%
15813   \if@bib@break@
15814     \bib@beginhook
15815   \else
15816     \bib@heading
15817     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15818       \noindent\bibpreamble\par\nobreak
15819     \fi\fi
15820     \bib@beginhook
15821     \bib@before@hook

```



```

15822 \fi
15823 \renewcommand{\BreakBibliography}[1]{%
15824   \@bib@break
15825   \end{thebibliography}%
15826   \begingroup ##1\endgroup
15827   \begin{thebibliography}{#1}
15828 }%
15829 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15830 \list{%
15831   \@biblabel{\@arabic\c@enumiv}%
15832 }{%
15833   \settowidth\labelwidth{\@biblabel{#1}}%
15834   \leftmargin\labelwidth
15835   \advance\leftmargin\labelsep
15836   \@openbib@code
15837   \if@bib@break@
15838     \edef\@tempa{%
15839       \noexpand\usecounter{enumiv}%
15840       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15841     }\@tempa
15842     \no@bib@break
15843   \else
15844     \usecounter{enumiv}%
15845   \fi
15846   \let\p@enumiv\@empty
15847   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15848 }%
15849 \sloppy\clubpenalty4000 \widowpenalty4000
15850 \sfcode`\.=\@m
15851 }{%
15852 \if@bib@break@
15853   \def\@noitemerr{%
15854     \@latex@warning{%
15855       \string\BreakBibliography\space at begin of `thebibliography'
15856       environment\MessageBreak
15857       or following \string\BreakBibliography}%
15858   }%
15859 \else
15860   \def\@noitemerr{%
15861     \@latex@warning{%
15862       Empty `thebibliography' environment or
15863       \string\BreakBibliography\MessageBreak
15864       before end of `thebibliography' environment}%
15865   }%
15866 \fi
15867 \endlist
15868 \if@bib@break@
15869 \else
15870   \bib@after@hook
15871   \let\bib@before@hook\@empty

```



```

15872 \let\bib@after@hook@empty
15873 \fi
15874 \bib@endhook
15875 }
15876 \renewcommand*\left@footnoterule{%
15877 \kern-3\p@
15878 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15879 \hrule\@width.4\columnwidth
15880 \kern 2.6\p@}
15881 \renewcommand*\right@footnoterule{%
15882 \kern-3\p@
15883 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15884 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15885 \kern2.6\p@}
15886 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15887 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15888 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15889 \renewcommand\marginline[1]{%
15890 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15891 }
15892 \renewcommand{\@@makecaption}[3]{%
15893 \cap@margin
15894 \ifonelinecaptions
15895 \let\@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15896 \let\scr@tmp@footnotetext=\@footnotetext
15897 \let\@footnotetext=\@gobble
15898 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15899 \let\@LTRfootnotetext=\@gobble
15900 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15901 \let\@RTLfootnotetext=\@gobble
15902 \sbox\@tempboxa{%
15903 {\capfont{\strut\ignorespaces
15904 #1{\caplabelfont{#2\captionformat}}}%
15905 #3\unskip\strut}}%
15906 }%
15907 \let\@footnotetext=\scr@tmp@footnotetext
15908 \let\scr@tmp@footnotetext=undefined
15909 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15910 \let\scr@tmp@LTRfootnotetext=undefined
15911 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15912 \let\scr@tmp@RTLfootnotetext=undefined
15913 \setcounter{footnote}{\@tempcntb}%
15914 \setcounter{mpfootnote}{\@tempcnta}%
15915 \else
15916 \sbox\@tempboxa{\hspace*{2\cap@width}}%
15917 \fi
15918 \begingroup%
15919 \setlength{\@tempdima}{\cap@width}%
15920 \ifdim \wd\@tempboxa >\@tempdima
15921 \hb@xt@\hsize{%

```





```

15922 \setbox\@tempboxa\vbox{\hsize=\cap@width
15923 \ifdofullc@p
15924 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15925 #1{\caplabelfont{#2\captionformat}}}}}%
15926 {#3\unskip\strut\par}}}%
15927 \else%
15928 \ifdim\cap@indent<\z@
15929 {\capfont{\strut\ignorespaces
15930 #1{\caplabelfont{#2\captionformat\par}}}%
15931 \noindent\hspace*{-\cap@indent}\unskip\strut\par}}%
15932 \else%
15933 \if@capbreak
15934 {\capfont{\strut\ignorespaces
15935 #1{\caplabelfont{#2\captionformat\par}}}%
15936 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15937 \else
15938 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15939 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15940 {\caplabelfont{#2\captionformat}}}}{#3\unskip\strut\par}}}%
15941 \fi
15942 \fi
15943 \fi
15944 }%
15945 \setlength{\@tempdima}{\ht\@tempboxa}%
15946 \addtolength{\@tempdima}{\dp\@tempboxa}%
15947 \addtolength{\@tempdima}{-\ht\strutbox}%
15948 \ht\@tempboxa\ht\strutbox
15949 \dp\@tempboxa\@tempdima
15950 \strut\cap@left
15951 \box\@tempboxa
15952 \cap@right\strut
15953 }%
15954 \else
15955 \global \@minipagefalse
15956 \sbox\@tempboxa{%
15957 {\capfont{\scr@smashdp{\strut\ignorespaces
15958 #1{\caplabelfont{#2\captionformat}}}}}%
15959 #3}}%
15960 }%
15961 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15962 \fi
15963 \endgroup
15964 }
15965 \renewcommand{\@makecaption}[2]{%
15966 \if@captionabove
15967 \vskip\belowcaptionskip
15968 \else
15969 \vskip\abovecaptionskip
15970 \fi
15971 \@makecaption\@firstofone{#1}{#2}%

```



```

15972 \if@captionabove
15973 \vskip\abovecaptionskip
15974 \else
15975 \vskip\belowcaptionskip
15976 \fi
15977 }
15978 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15979 \@ifpackageloaded{caption2}{\@komalongtablefalse
15980 \scr@caption@before@longtable@warning{caption2}%
15981 }{}%
15982 \if@komalongtable
15983 \renewcommand{\LT@makecaption}[3]{%
15984 \noalign{%
15985 \if@captionabove
15986 \vskip\belowcaptionskip
15987 \else
15988 \vskip\abovecaptionskip
15989 \fi
15990 }%
15991 \LT@mcol\LT@cols c{%
15992 \hbox to\z@{\hss\parbox[t]{\linewidth{%
15993 \@@makecaption{#1}{#2}{#3}%
15994 \endgraf
15995 \if@captionabove
15996 \vskip\abovecaptionskip
15997 \else
15998 \vskip\belowcaptionskip
15999 \fi
16000 }%
16001 \hss
16002 }%
16003 }%
16004 }%
16005 \renewcommand*{\scr@LT@array}{}%
16006 \let\scr@LT@array=\LT@array
16007 \renewcommand*{\LT@array}{%
16008 \let\scr@caption=\LT@caption
16009 \def\captionabove{\noalign{\global\@captionabovetrue}%
16010 \scr@caption}%
16011 \def\captionbelow{\noalign{\global\@captionabovefalse}%
16012 \scr@caption}%
16013 \if@tablecaptionabove
16014 \let\LT@caption=\captionabove
16015 \else
16016 \let\LT@caption=\captionbelow
16017 \fi
16018 \scr@LT@array
16019 }%
16020 \ClassInfo{\KOMAClassName}{%
16021 longtable captions redefined%

```



```

16022 }%
16023 \fi
16024 }

```

## 7.102 scrbook-xetex-bidi.def

```

16025 \ProvidesFile{scrbook-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrbook class for XeT
16026 \newcommand{\scr@saved@LTRfootnotetext}{}
16027 \newcommand{\scr@saved@RTLfootnotetext}{}
16028 \let\scr@saved@footnotetext\@footnotetext
16029 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16030 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16031 \renewcommand{\@footnotetext}[1]{%
16032   \scr@saved@footnotetext{#1}%
16033   \csname FN@mf@prepare\endcsname
16034 }
16035 \renewcommand{\@LTRfootnotetext}[1]{%
16036   \scr@saved@LTRfootnotetext{#1}%
16037   \csname FN@mf@prepare\endcsname
16038 }
16039 \renewcommand{\@RTLfootnotetext}[1]{%
16040   \scr@saved@RTLfootnotetext{#1}%
16041   \csname FN@mf@prepare\endcsname
16042 }
16043 \renewcommand\deffootnote[4][]{%
16044   \long\def\@makefnmark##1{%
16045     \setlength{\@tempdimc}{#3}%
16046     \def\@tempa{#1}\ifx\@tempa\@empty
16047       \setpar{\@par
16048         \@tempdima = \hsize
16049         \addtolength{\@tempdima}{-#2}%
16050         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16051       \else
16052         \addtolength{\@tempdimc}{#2}%
16053         \addtolength{\@tempdimc}{-#1}%
16054         \setpar{\@par
16055           \@tempdima = \hsize
16056           \addtolength{\@tempdima}{-#1}%
16057           \@tempdimb = \hsize
16058           \addtolength{\@tempdimb}{-#2}%
16059           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16060         }%
16061       \fi
16062     \par
16063     \parindent\@tempdimc\noindent
16064     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16065   }%
16066   \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
16067 }
16068 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}

```



```

16069 \renewcommand*\left@footnoterule{%
16070   \normalsize\ftn@rule@test@values
16071   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16072   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16073   {\usekomafont{footnoterule}{%
16074     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16075   \kern 2.6\p@}
16076 \renewcommand*\right@footnoterule{%
16077   \normalsize\ftn@rule@test@values
16078   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16079   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16080   {\usekomafont{footnoterule}{%
16081     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leaders
16082     \kern 2.6\p@}
16083 \renewcommand*\maketitle[1][1]{%
16084   \if@titlepage
16085     \begin{titlepage}
16086       \setcounter{page}{%
16087         #1%
16088       }%
16089       \let\footnotesize\small
16090       \let\right@footnoterule\relax
16091       \let\left@footnoterule\relax
16092       \let\textwidth@footnoterule\relax
16093       \let\footnote\thanks
16094       \let\LTRfootnote\LTRthanks
16095       \let\RTLfootnote\RTLthanks
16096       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16097       \let\@oldmakefnmark\@makefnmark
16098       \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
16099       \ifx\@extratitle\@empty \else
16100         \noindent\@extratitle\next@tpage\cleardoubleemptypage
16101         \thispagestyle{empty}%
16102       \fi
16103       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16104       \ifx\@titlehead\@empty \else
16105         \begin{minipage}[t]{\textwidth}%
16106           \@titlehead
16107         \end{minipage}\par
16108       \fi
16109       \null\vfill
16110       \begin{center}
16111         \ifx\@subject\@empty \else
16112           {\subject@font \@subject \par}%
16113         \vskip 3em
16114         \fi
16115         {\titlefont\huge \@title\par}%
16116         \vskip 1em
16117         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16118         \vskip 2em

```



```

16119      {\Large \lineskip 0.75em
16120        \begin{tabular}[t]{c}
16121          \@author
16122        \end{tabular}\par
16123      }%
16124      \vskip 1.5em
16125      {\Large \@date \par}%
16126      \vskip \z@ \@plus3fill
16127      {\Large \@publishers \par}%
16128      \vskip 3em
16129      \end{center}\par
16130      \@thanks
16131      \vfill\null
16132      \if@twoside\next@tpage
16133        \begin{minipage}[t]{\textwidth}
16134          \@uppertitleback
16135        \end{minipage}\par
16136        \vfill
16137        \begin{minipage}[b]{\textwidth}
16138          \@lowertitleback
16139        \end{minipage}
16140      \fi
16141      \ifx\@dedication\@empty \else
16142        \next@tpage\null\vfill
16143        {\centering \Large \@dedication \par}%
16144        \vskip \z@ \@plus3fill
16145        \if@twoside \next@tpage\cleardoubleemptypage \fi
16146      \fi
16147      \end{titlepage}
16148    \else
16149      \par
16150      \@tempcnta=%
16151      #1%
16152      \relax\ifnum\@tempcnta=1\else
16153        \ClassWarning{KOMAClassName}{%
16154          Optional argument of \string\maketitle\space ignored
16155          at\MessageBreak
16156          notitlepage-mode%
16157        }%
16158      \fi
16159      \begingroup
16160        \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16161        \let\@oldmakefnmark\@makefnmark
16162        \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16163        \if@twocolumn
16164          \ifnum \col@number=\@ne
16165            \@maketitle
16166          \else
16167            \twocolumn[\@maketitle]%
16168          \fi

```



```

16169     \else
16170     \newpage
16171     \global\@topnum\z@
16172     \@maketitle
16173     \fi
16174     \thispagestyle{\titlepagestyle}\@thanks
16175 \endgroup
16176 \fi
16177 \setcounter{footnote}{0}%
16178 \let\thanks\relax
16179 \let\LTRthanks\relax
16180 \let\RTLthanks\relax
16181 \let\maketitle\relax
16182 \let\@maketitle\relax
16183 \global\let\@thanks\@empty
16184 \global\let\@author\@empty
16185 \global\let\@date\@empty
16186 \global\let\@title\@empty
16187 \global\let\@subtitle\@empty
16188 \global\let\@extratitle\@empty
16189 \global\let\@titlehead\@empty
16190 \global\let\@subject\@empty
16191 \global\let\@publishers\@empty
16192 \global\let\@uppertitleback\@empty
16193 \global\let\@lowertitleback\@empty
16194 \global\let\@dedication\@empty
16195 \global\let\author\relax
16196 \global\let\title\relax
16197 \global\let\extratitle\relax
16198 \global\let\titlehead\relax
16199 \global\let\subject\relax
16200 \global\let\publishers\relax
16201 \global\let\uppertitleback\relax
16202 \global\let\lowertitleback\relax
16203 \global\let\dedication\relax
16204 \global\let\date\relax
16205 \global\let\and\relax
16206 }%
16207 \renewcommand*{\@maketitle}{%
16208 \clearpage
16209 \let\footnote\thanks
16210 \let\LTRfootnote\LTRthanks
16211 \let\RTLfootnote\RTLthanks
16212 \ifx\@extratitle\@empty \else
16213 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16214 \fi
16215 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16216 \ifx\@titlehead\@empty \else
16217 \begin{minipage}[t]{\textwidth}
16218 \@titlehead

```



```

16219 \end{minipage}\par
16220 \fi
16221 \null
16222 \vskip 2em%
16223 \begin{center}%
16224 \ifx\@subject\@empty \else
16225 {\subject@font \@subject \par}
16226 \vskip 1.5em
16227 \fi
16228 {\titlefont\huge \@title \par}%
16229 \vskip .5em
16230 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16231 \vskip 1em
16232 {\Large
16233 \lineskip .5em%
16234 \begin{tabular}[t]{c}
16235 \@author
16236 \end{tabular}\par
16237 }%
16238 \vskip 1em%
16239 {\Large \@date \par}%
16240 \vskip \z@ \@plus 1em
16241 {\Large \@publishers \par}
16242 \ifx\@dedication\@empty \else
16243 \vskip 2em
16244 {\Large \@dedication \par}
16245 \fi
16246 \end{center}%
16247 \par
16248 \vskip 2em
16249 }%
16250 \renewcommand*{\l@part[2]}{%
16251 \ifnum \c@tocdepth >-2\relax
16252 \addpenalty{-\@highpenalty}%
16253 \addvspace{2.25em \@plus\p@}%
16254 \setlength{\@tempdima}{2em}%
16255 \if@tocleft
16256 \ifx\toc@l@number\@empty\else
16257 \setlength\@tempdima{0\toc@l@number}%
16258 \fi
16259 \fi
16260 \begingroup
16261 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16262 \parfillskip -\@pnumwidth
16263 \leavevmode
16264 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16265 \hskip -\if@RTL\rightskip\else\leftskip\fi
16266 {\usekomafont{partentry}{\#1\nobreak
16267 \usekomafont{partentrypagenumber}{\hfil\nobreak
16268 \hb@xt@\@pnumwidth{\hss\#2}}}\par

```



```

16269     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16270     \endgroup
16271     \penalty20010
16272     \else
16273         \penalty\@highpenalty
16274     \endgroup
16275     \fi
16276     \fi
16277 } \renewcommand*\l@part[2]{%
16278     \ifnum \c@tocdepth >-2\relax
16279         \addpenalty{-\@highpenalty}%
16280         \addvspace{2.25em \@plus\p@}%
16281         \setlength{\@tempdima}{2em}%
16282         \if@tocleft
16283             \ifx\toc@l@number\@empty\else
16284                 \setlength\@tempdima{0\toc@l@number}%
16285             \fi
16286         \fi
16287         \begingroup
16288             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16289             \parfillskip -\@pnumwidth
16290             \leavevmode
16291             \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16292             \hskip -\if@RTL\rightskip\else\leftskip\fi
16293             {\usekomafont{partentry}{#1\nobreak
16294                 \usekomafont{partentrypagenumber}{\hfil\nobreak
16295                     \hb@xt@\@pnumwidth{\hss#2}}}\par
16296             \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16297             \endgroup
16298             \penalty20010
16299             \else
16300                 \penalty\@highpenalty
16301             \endgroup
16302         \fi
16303     \fi
16304 }
16305 \renewcommand*\l@chapter[2]{%
16306     \ifnum \c@tocdepth >\m@ne
16307         \ifnum \lastpenalty<20010
16308             \addpenalty{-\@highpenalty}%
16309         \fi
16310         \vskip 1.0em \@plus\p@
16311         \setlength\@tempdima{1.5em}%
16312         \if@tocleft
16313             \ifx\toc@l@number\@empty\else
16314                 \setlength\@tempdima{0\toc@l@number}%
16315             \fi
16316         \fi
16317         \begingroup
16318         \raggedchapterentry

```





```

16319 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16320 \parfillskip -\@pnumwidth
16321 \interlinepenalty\@M
16322 \leavevmode
16323 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16324 {\usekomafont{chapterentry}{#1\nobreak
16325 \usekomafont{chapterentrypagenumber}{%
16326 \hfill\nobreak
16327 \hb@xt@\@pnumwidth{\hss#2}}}\par
16328 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16329 \endgroup
16330 \penalty20009
16331 \else
16332 \penalty\@highpenalty
16333 \endgroup
16334 \fi
16335 \fi
16336 }
16337 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16338 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16339 \renewcommand*\thesection{%
16340 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16341 \if@mainmatter\thechapter\@SepMark\fi
16342 \else
16343 \thechapter\@SepMark%
16344 \fi
16345 \@arabic\c@section
16346 }
16347 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16348 \renewcommand*{\thesubsubsection}{%
16349 \thesubsection\@SepMark\@arabic\c@subsubsection
16350 }
16351 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16352 \renewcommand*{\thesubparagraph}{%
16353 \theparagraph\@SepMark\@arabic\c@subparagraph
16354 }
16355 \renewcommand*\thefigure{%
16356 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16357 \if@mainmatter\thechapter\@SepMark\fi
16358 \else
16359 \thechapter\@SepMark%
16360 \fi
16361 \@arabic\c@figure
16362 }
16363 \renewcommand*\thetable{%
16364 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16365 \if@mainmatter\thechapter\@SepMark\fi
16366 \else
16367 \thechapter\@SepMark%
16368 \fi

```



```

16369 \@arabic\c@table
16370 }
16371 \renewcommand*\theequation{%
16372 \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
16373 \if@mainmatter\thechapter\@SepMark\fi
16374 \else
16375 \thechapter\@SepMark%
16376 \fi
16377 \@arabic\c@equation
16378 }
16379 \renewenvironment{thebibliography}[1]{%
16380 \if@bib@break@
16381 \bib@beginhook
16382 \else
16383 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16384 \setchapterpreamble{\bibpreamble}%
16385 \fi\fi
16386 \bib@heading
16387 \bib@beginhook
16388 \bib@before@hook
16389 \fi
16390 \renewcommand{\BreakBibliography}[1]{%
16391 \@bib@break
16392 \end{thebibliography}%
16393 \begingroup ##1\endgroup
16394 \begin{thebibliography}{#1}
16395 }%
16396 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16397 \list{%
16398 \@biblabel{\@arabic\c@enumiv}%
16399 }{%
16400 \settowidth\labelwidth{\@biblabel{#1}}%
16401 \leftmargin\labelwidth
16402 \advance\leftmargin\labelsep
16403 \@openbib@code
16404 \if@bib@break@
16405 \edef\@tempa{%
16406 \noexpand\usecounter{enumiv}%
16407 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16408 }\@tempa
16409 \no@bib@break
16410 \else
16411 \usecounter{enumiv}%
16412 \fi
16413 \let\p@enumiv\@empty
16414 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16415 }%
16416 \sloppy\clubpenalty4000 \widowpenalty4000
16417 \sfcode`\.\=@m
16418 }{%

```



```

16419 \if@bib@break@
16420 \def\@noitemerr{%
16421 \latex@warning{%
16422 \string\BreakBibliography\space at begin of `thebibliography'
16423 environment\MessageBreak
16424 or following \string\BreakBibliography}}%
16425 }%
16426 \else
16427 \def\@noitemerr{%
16428 \latex@warning{%
16429 Empty `thebibliography' environment or
16430 \string\BreakBibliography\MessageBreak
16431 before end of `thebibliography' environment}}%
16432 }%
16433 \fi
16434 \endlist
16435 \if@bib@break@
16436 \else
16437 \bib@after@hook
16438 \let\bib@before@hook\@empty
16439 \let\bib@after@hook\@empty
16440 \fi
16441 \bib@endhook
16442 }
16443 \renewcommand*\left@footnoterule{%
16444 \kern-3\p@
16445 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16446 \hrule\@width.4\columnwidth
16447 \kern 2.6\p@}
16448 \renewcommand*\right@footnoterule{%
16449 \kern-3\p@
16450 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16451 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16452 \kern2.6\p@}
16453 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16454 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16455 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16456 \renewcommand\marginline[1]{%
16457 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16458 }
16459 \renewcommand{\@makecaption}[3]{%
16460 \cap@margin
16461 \ifonelinecaptions
16462 \tempcnta=\value{mpfootnote}\tempcntb=\value{footnote}%
16463 \let\scr@tmp@footnotetext=\@footnotetext
16464 \let\@footnotetext=\@gobble
16465 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16466 \let\@LTRfootnotetext=\@gobble
16467 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16468 \let\@RTLfootnotetext=\@gobble

```



```

16469 \sbox\@tempboxa{%
16470   {\capfont{\strut\ignorespaces
16471     #1{\caplabelfont{#2\captionformat}}}%
16472     #3\unskip\strut}}%
16473 }%
16474 \let\@footnotetext=\scr@tmp@footnotetext
16475 \let\scr@tmp@footnotetext=\undefined
16476 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16477 \let\scr@tmp@LTRfootnotetext=\undefined
16478 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16479 \let\scr@tmp@RTLfootnotetext=\undefined
16480 \setcounter{footnote}{\@tempcntb}%
16481 \setcounter{mpfootnote}{\@tempcnta}%
16482 \else
16483   \sbox\@tempboxa{\hspace*{2\cap@width}}%
16484 \fi
16485 \begingroup%
16486   \setlength{\@tempdima}{\cap@width}%
16487   \ifdim \wd\@tempboxa >\@tempdima
16488     \hb@xt@\hsize{%
16489       \setbox\@tempboxa\vbox{\hsize=\cap@width
16490         \ifdofullc@p
16491           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16492             #1{\caplabelfont{#2\captionformat}}}}}%
16493             #3\unskip\strut\par}}}%
16494         \else%
16495           \ifdim\cap@indent<\z@
16496             {\capfont{\strut\ignorespaces
16497               #1{\caplabelfont{#2\captionformat\par}}}%
16498               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}}%
16499             \else%
16500               \if@capbreak
16501                 {\capfont{\strut\ignorespaces
16502                   #1{\caplabelfont{#2\captionformat\par}}}%
16503                   \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16504                 \else
16505                   {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
16506                     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16507                       {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16508                   \fi
16509                 \fi
16510             \fi
16511           }%
16512           \setlength{\@tempdima}{\ht\@tempboxa}%
16513           \addtolength{\@tempdima}{\dp\@tempboxa}%
16514           \addtolength{\@tempdima}{-\ht\strutbox}%
16515           \ht\@tempboxa\ht\strutbox
16516           \dp\@tempboxa\@tempdima
16517           \strut\cap@left
16518         \box\@tempboxa

```



```

16519         \cap@right\strut
16520     }%
16521     \else
16522         \global \@minipagefalse
16523         \sbox\@tempboxa{%
16524             {\capfont{\scr@smashdp{\strut\ignorespaces
16525                 #1{\caplabelfont{#2\captionformat}}}}}%
16526             #3}}%
16527     }%
16528     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap
16529     \fi
16530 \endgroup
16531 }
16532 \renewcommand{\@makecaption}[2]{%
16533     \if@captionabove
16534         \vskip\belowcaptionskip
16535     \else
16536         \vskip\abovecaptionskip
16537     \fi
16538     \@makecaption\@firstofone{#1}{#2}%
16539     \if@captionabove
16540         \vskip\abovecaptionskip
16541     \else
16542         \vskip\belowcaptionskip
16543     \fi
16544 }
16545 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16546     \@ifpackageloaded{caption2}{\@komalongtablefalse
16547         \scr@caption@before@longtable@warning{caption2}%
16548     }{}%
16549     \if@komalongtable
16550         \renewcommand{\LT@makecaption}[3]{%
16551             \noalign{%
16552                 \if@captionabove
16553                     \vskip\belowcaptionskip
16554                 \else
16555                     \vskip\abovecaptionskip
16556                 \fi
16557             }%
16558             \LT@mcol\LT@cols c{%
16559                 \hbox to\z@{\hss\parbox[t]\linewidth{%
16560                     \@makecaption{#1}{#2}{#3}%
16561                     \endgraf
16562                     \if@captionabove
16563                         \vskip\abovecaptionskip
16564                     \else
16565                         \vskip\belowcaptionskip
16566                     \fi
16567                 }}%
16568             \hss

```



```

16569     }%
16570   }%
16571 }%
16572 \renewcommand*{\scr@LT@array}{}%
16573 \let\scr@LT@array=\LT@array
16574 \renewcommand*{\LT@array}{%
16575   \let\scr@caption=\LT@caption
16576   \def\captionabove{\noalign{\global\@captionabovetrue}%
16577     \scr@caption}%
16578   \def\captionbelow{\noalign{\global\@captionabovefalse}%
16579     \scr@caption}%
16580   \if@tablecaptionabove
16581     \let\LT@caption=\captionabove
16582   \else
16583     \let\LT@caption=\captionbelow
16584   \fi
16585   \scr@LT@array
16586 }%
16587 \ClassInfo{\KOMAClassName}{%
16588   longtable captions redefined%
16589 }%
16590 \fi
16591 }

```

### 7.103 scrlettr-xetex-bidi.def

```

16592 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for X
16593 \renewcommand\deffootnote[4] [] {%
16594   \long\def\@makefnmark##1{%
16595     \edef\@tempa{#1}\ifx\@tempa\@empty
16596       \setpar{\@par
16597         \@tempdima = \hsize
16598         \addtolength{\@tempdima}{-#2}
16599         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16600     \else
16601       \setpar{\@par
16602         \@tempdima = \hsize
16603         \addtolength{\@tempdima}{-#1}
16604         \@tempdimb = \hsize
16605         \addtolength{\@tempdimb}{-#2}
16606         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16607       \fi
16608       \par
16609       \parindent #3\noindent
16610       \hbox to \z@{\hss\@makefnmark}##1}
16611     \def\@makefnmark{\hbox{#4}}
16612   }
16613 \deffootnote[1em]{1.5em}{1em}
16614 {\textsuperscript{\thefootnotemark}}
16615 \def\left@footnoterule{\kern-1\p@

```



```

16616 \hrule width 0.4\columnwidth
16617 \kern .6\p@}
16618 \def\right@footnoterule{%
16619 \kern-1\p@
16620 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16621 \kern .6\p@}
16622 \def\@datefield{\@reffalse
16623 \ifx\varyourref\@empty \else \@reftrue \fi
16624 \ifx\varyourmail\@empty \else \@reftrue \fi
16625 \ifx\varmyref\@empty \else \@reftrue \fi
16626 \ifx\varcustomer\@empty \else \@reftrue \fi
16627 \ifx\varinvoice\@empty \else \@reftrue \fi
16628 \ifx\varrefitemi\@empty \else \@reftrue \fi
16629 \ifx\varrefitemii\@empty \else \@reftrue \fi
16630 \ifx\varrefitemiii\@empty \else \@reftrue \fi
16631 \vskip -\parskip
16632 \vskip \refvskip
16633 \if@ref
16634 \ifx\varyourref\@empty \else
16635 \settowidth{\sc@temp}{\varyourref}
16636 \setbox0\hbox{\scriptsize \sf \yourrefname}
16637 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16638 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
16639 \fi
16640 \ifx\varyourmail\@empty \else
16641 \settowidth{\sc@temp}{\varyourmail}
16642 \setbox0\hbox{\scriptsize \sf \yourmailname}
16643 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16644 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
16645 \fi
16646 \ifx\varmyref\@empty \else
16647 \settowidth{\sc@temp}{\varmyref}
16648 \setbox0\hbox{\scriptsize \sf \myrefname}
16649 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16650 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
16651 \fi
16652 \ifx\varcustomer\@empty \else
16653 \settowidth{\sc@temp}{\varcustomer}
16654 \setbox0\hbox{\scriptsize \sf \customername}
16655 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16656 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
16657 \fi
16658 \ifx\varinvoice\@empty \else
16659 \settowidth{\sc@temp}{\varinvoice}
16660 \setbox0\hbox{\scriptsize \sf \invoicename}
16661 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16662 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
16663 \fi
16664 \ifx\varrefitemi\@empty \else
16665 \settowidth{\sc@temp}{\varrefitemi}

```



```

16666 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
16667 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16668 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
16669 \fi
16670 \ifx\varrefitemii\@empty \else
16671 \settowidth{\sc@temp}{\varrefitemii}
16672 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
16673 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16674 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
16675 \fi
16676 \ifx\varrefitemiii\@empty \else
16677 \settowidth{\sc@temp}{\varrefitemiii}
16678 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
16679 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16680 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
16681 \fi
16682 \ifx\@date\@empty \else
16683 \settowidth{\sc@temp}{\@date}
16684 \setbox0\hbox{\scriptsize \sf \datename}
16685 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16686 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
16687 \fi
16688 \par
16689 \vspace{2.5\baselineskip}
16690 \else
16691 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
16692 \vspace{1.5\baselineskip}
16693 \fi}
16694 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
16695 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
16696 -\sigindent \hspace{\sigindent}}%
16697 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
16698 \fromsig\strut}\par
16699 \vspace{1.5\baselineskip}}

```

## 7.104 scrreprt-xetex-bidi.def

```

16700 \ProvidesFile{scrreprt-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrreprt class for X
16701 \newcommand{\scr@saved@LTRfootnotetext}{}
16702 \newcommand{\scr@saved@RTLfootnotetext}{}
16703 \let\scr@saved@footnotetext\@footnotetext
16704 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16705 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16706 \renewcommand{\@footnotetext}[1]{%
16707 \scr@saved@footnotetext{#1}%
16708 \csname FN@mf@prepare\endcsname
16709 }
16710 \renewcommand{\@LTRfootnotetext}[1]{%
16711 \scr@saved@LTRfootnotetext{#1}%
16712 \csname FN@mf@prepare\endcsname

```





```

16713 }
16714 \renewcommand{\@RTLfootnotetext}[1]{%
16715   \scr@saved@RTLfootnotetext{#1}%
16716   \csname FN@mf@prepare\endcsname
16717 }
16718 \renewcommand\deffootnote[4][1]{%
16719   \long\def\@makefnmark##1{%
16720     \setlength{\@tempdimc}{#3}%
16721     \def\@tempa{#1}\ifx\@tempa\@empty
16722       \setpar{\@par
16723         \@tempdima = \hsize
16724         \addtolength{\@tempdima}{-#2}%
16725         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16726       \else
16727         \addtolength{\@tempdimc}{#2}%
16728         \addtolength{\@tempdimc}{-#1}%
16729         \setpar{\@par
16730           \@tempdima = \hsize
16731           \addtolength{\@tempdima}{-#1}%
16732           \@tempdimb = \hsize
16733           \addtolength{\@tempdimb}{-#2}%
16734           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16735         }%
16736       \fi
16737       \par
16738       \parindent\@tempdimc\noindent
16739       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16740     }%
16741     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16742 }
16743 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16744 \renewcommand*\left@footnoterule{%
16745   \normalsize\ftn@rule@test@values
16746   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16747   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16748   {\usekomafont{footnoterule}{%
16749     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16750   \kern 2.6\p@}
16751 \renewcommand*\right@footnoterule{%
16752   \normalsize\ftn@rule@test@values
16753   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16754   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16755   {\usekomafont{footnoterule}{%
16756     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16757     \kern 2.6\p@}
16758   \renewcommand*\maketitle[1][1]{%
16759     \if@titlepage
16760       \begin{titlepage}
16761         \setcounter{page}{%
16762           #1%

```



```

16763 }%
16764 \let\footnotesize\small
16765 \let\right@footnoterule\relax
16766 \let\left@footnoterule\relax
16767 \let\textwidth@footnoterule\relax
16768 \let\footnote\thanks
16769 \let\LTRfootnote\LTRthanks
16770 \let\RTLfootnote\RTLthanks
16771 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16772 \let\@oldmakefnmark\@makefnmark
16773 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16774 \ifx\@extratitle\@empty \else
16775 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16776 \thispagestyle{empty}%
16777 \fi
16778 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16779 \ifx\@titlehead\@empty \else
16780 \begin{minipage}[t]{\textwidth}%
16781 \@titlehead
16782 \end{minipage}\par
16783 \fi
16784 \null\vfill
16785 \begin{center}
16786 \ifx\@subject\@empty \else
16787 {\subject@font \@subject \par}%
16788 \vskip 3em
16789 \fi
16790 {\titlefont\huge \@title\par}%
16791 \vskip 1em
16792 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16793 \vskip 2em
16794 {\Large \lineskip 0.75em
16795 \begin{tabular}[t]{c}
16796 \@author
16797 \end{tabular}}\par
16798 }%
16799 \vskip 1.5em
16800 {\Large \@date \par}%
16801 \vskip \z@ \@plus3fill
16802 {\Large \@publishers \par}%
16803 \vskip 3em
16804 \end{center}\par
16805 \@thanks
16806 \vfill\null
16807 \if@twoside\next@tpage
16808 \begin{minipage}[t]{\textwidth}
16809 \uppertitleback
16810 \end{minipage}\par
16811 \vfill
16812 \begin{minipage}[b]{\textwidth}

```



```

16813         \@lowertitleback
16814     \end{minipage}
16815 \fi
16816 \ifx\@dedication\@empty \else
16817     \next@tpage\null\vfill
16818     {\centering \Large \@dedication \par}%
16819     \vskip \z@ \@plus3fill
16820     \if@twoside \next@tpage\cleardoubleemptypage \fi
16821 \fi
16822 \end{titlepage}
16823 \else
16824     \par
16825     \@tempcnta=%
16826     #1%
16827     \relax\ifnum\@tempcnta=1\else
16828         \ClassWarning{\KOMAClassName}{%
16829             Optional argument of \string\maketitle\space ignored
16830             at\MessageBreak
16831             notitlepage-mode%
16832         }%
16833     \fi
16834     \begingroup
16835         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16836         \let\@oldmakefnmark\@makefnmark
16837         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16838         \if@twocolumn
16839             \ifnum \col@number=\@ne
16840                 \@maketitle
16841             \else
16842                 \twocolumn[\@maketitle]%
16843             \fi
16844         \else
16845             \newpage
16846             \global\@topnum\z@
16847             \@maketitle
16848         \fi
16849         \thispagestyle{\titlepagestyle}\@thanks
16850     \endgroup
16851 \fi
16852 \setcounter{footnote}{0}%
16853 \let\thanks\relax
16854 \let\LTRthanks\relax
16855 \let\RTLthanks\relax
16856 \let\maketitle\relax
16857 \let\@maketitle\relax
16858 \global\let\@thanks\@empty
16859 \global\let\@author\@empty
16860 \global\let\@date\@empty
16861 \global\let\@title\@empty
16862 \global\let\@subtitle\@empty

```



```

16863 \global\let\@extratitle\@empty
16864 \global\let\@titlehead\@empty
16865 \global\let\@subject\@empty
16866 \global\let\@publishers\@empty
16867 \global\let\@uppertitleback\@empty
16868 \global\let\@lowertitleback\@empty
16869 \global\let\@dedication\@empty
16870 \global\let\author\relax
16871 \global\let\title\relax
16872 \global\let\extratitle\relax
16873 \global\let\titlehead\relax
16874 \global\let\subject\relax
16875 \global\let\publishers\relax
16876 \global\let\uppertitleback\relax
16877 \global\let\lowertitleback\relax
16878 \global\let\dedication\relax
16879 \global\let\date\relax
16880 \global\let\and\relax
16881 }%
16882 \renewcommand*{\@maketitle}{%
16883   \clearpage
16884   \let\footnote\thanks
16885   \let\LTRfootnote\LTRthanks
16886   \let\RTLfootnote\RTLthanks
16887   \ifx\@extratitle\@empty \else
16888     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16889   \fi
16890   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16891   \ifx\@titlehead\@empty \else
16892     \begin{minipage}[t]{\textwidth}
16893       \@titlehead
16894     \end{minipage}\par
16895   \fi
16896   \null
16897   \vskip 2em%
16898   \begin{center}%
16899     \ifx\@subject\@empty \else
16900       {\subject@font \@subject \par}
16901       \vskip 1.5em
16902     \fi
16903     {\titlefont\huge \@title \par}%
16904     \vskip .5em
16905     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16906     \vskip 1em
16907     {\Large
16908       \lineskip .5em%
16909       \begin{tabular}[t]{c}
16910         \@author
16911       \end{tabular}\par
16912     }%

```



```

16913 \vskip 1em%
16914 {\Large \@date \par}%
16915 \vskip \z@ \@plus 1em
16916 {\Large \@publishers \par}
16917 \ifx\@dedication\@empty \else
16918 \vskip 2em
16919 {\Large \@dedication \par}
16920 \fi
16921 \end{center}%
16922 \par
16923 \vskip 2em
16924 }%
16925 \renewcommand*\l@part[2]{%
16926 \ifnum \c@tocdepth >-2\relax
16927 \addpenalty{-\@highpenalty}%
16928 \addvspace{2.25em \@plus\p@}%
16929 \setlength{\@tempdima}{2em}%
16930 \if@tocleft
16931 \ifx\toc@l@number\@empty\else
16932 \setlength{\@tempdima}{0\toc@l@number}%
16933 \fi
16934 \fi
16935 \begingroup
16936 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16937 \parfillskip -\@pnumwidth
16938 \leavevmode
16939 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16940 \hskip -\if@RTL\rightskip\else\leftskip\fi
16941 {\usekomafont{partentry}{#1\nobreak
16942 \usekomafont{partentrypagenumber}{\hfil\nobreak
16943 \hb@xt@\@pnumwidth{\hss#2}}}\par
16944 \ifnum \scr@compatibility>\@nameuse{scr@v02.96}\relax
16945 \endgroup
16946 \penalty20010
16947 \else
16948 \penalty\@highpenalty
16949 \endgroup
16950 \fi
16951 \fi
16952 }
16953 \renewcommand*\l@chapter[2]{%
16954 \ifnum \c@tocdepth >\m@ne
16955 \ifnum \lastpenalty<20010
16956 \addpenalty{-\@highpenalty}%
16957 \fi
16958 \vskip 1.0em \@plus\p@
16959 \setlength{\@tempdima}{1.5em}%
16960 \if@tocleft
16961 \ifx\toc@l@number\@empty\else
16962 \setlength{\@tempdima}{0\toc@l@number}%

```



```

16963     \fi
16964 \fi
16965 \begingroup
16966   \raggedchapterentry
16967   \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16968   \parfillskip -\@pnumwidth
16969   \interlinepenalty\@M
16970   \leavevmode
16971   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16972   {\usekomafont{chapterentry}{#1\nobreak
16973     \usekomafont{chapterentrypagenumber}{%
16974       \hfill\nobreak
16975       \hb@xt@\@pnumwidth{\hss#2}}}\par
16976   \ifnum \scr@compatibility>\@nameuse{scr@v02.96}\relax
16977   \endgroup
16978   \penalty20009
16979   \else
16980     \penalty\@highpenalty
16981   \endgroup
16982   \fi
16983 \fi
16984 }
16985 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16986 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16987 \renewcommand*\thesection{%
16988   \thechapter\@SepMark%
16989   \@arabic\c@section
16990 }
16991 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16992 \renewcommand*{\thesubsubsection}{%
16993   \thesubsection\@SepMark\@arabic\c@subsubsection
16994 }
16995 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16996 \renewcommand*{\thesubparagraph}{%
16997   \theparagraph\@SepMark\@arabic\c@subparagraph
16998 }
16999 \renewcommand*\thefigure{%
17000   \thechapter\@SepMark%
17001   \@arabic\c@figure
17002 }
17003 \renewcommand*\thetable{%
17004   \thechapter\@SepMark%
17005   \@arabic\c@table
17006 }
17007 \renewcommand*\theequation{%
17008   \thechapter\@SepMark%
17009   \@arabic\c@equation
17010 }
17011 \renewenvironment{thebibliography}[1]{%
17012   \if@bib@break@

```



```

17013 \bib@beginhook
17014 \else
17015 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17016 \setchapterpreamble{\bibpreamble}%
17017 \fi\fi
17018 \bib@heading
17019 \bib@beginhook
17020 \bib@before@hook
17021 \fi
17022 \renewcommand{\BreakBibliography}[1]{%
17023 \@bib@break
17024 \end{thebibliography}%
17025 \begingroup ##1\endgroup
17026 \begin{thebibliography}{#1}
17027 }%
17028 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17029 \list{%
17030 \@biblabel{\@arabic\c@enumiv}%
17031 }{%
17032 \settowidth\labelwidth{\@biblabel{#1}}%
17033 \leftmargin\labelwidth
17034 \advance\leftmargin\labelsep
17035 \@openbib@code
17036 \if@bib@break@
17037 \edef\@tempa{%
17038 \noexpand\usecounter{enumiv}%
17039 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17040 }\@tempa
17041 \no@bib@break
17042 \else
17043 \usecounter{enumiv}%
17044 \fi
17045 \let\p@enumiv\@empty
17046 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17047 }%
17048 \sloppy\clubpenalty4000 \widowpenalty4000
17049 \sfcode`\.=\@m
17050 }{%
17051 \if@bib@break@
17052 \def\@noitemerr{%
17053 \@latex@warning{%
17054 \string\BreakBibliography\space at begin of `thebibliography'
17055 environment\MessageBreak
17056 or following \string\BreakBibliography}%
17057 }%
17058 \else
17059 \def\@noitemerr{%
17060 \@latex@warning{%
17061 Empty `thebibliography' environment or
17062 \string\BreakBibliography\MessageBreak

```



```

17063         before end of `thebibliography' environment}%
17064     }%
17065     \fi
17066     \endlist
17067     \if@bib@break@
17068     \else
17069         \bib@after@hook
17070         \let\bib@before@hook\@empty
17071         \let\bib@after@hook\@empty
17072     \fi
17073     \bib@endhook
17074 }
17075 \renewcommand*\left@footnoterule{%
17076     \kern-3\p@
17077     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17078     \hrule\@width.4\columnwidth
17079     \kern 2.6\p@}
17080 \renewcommand*\right@footnoterule{%
17081     \kern-3\p@
17082     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17083     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17084     \kern2.6\p@}
17085 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17086 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17087 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17088 \renewcommand\marginline[1]{%
17089     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17090 }
17091 \renewcommand{\@makecaption}[3]{%
17092     \cap@margin
17093     \ifonelinecaptions
17094         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17095         \let\scr@tmp@footnotetext=\@footnotetext
17096         \let\@footnotetext=\@gobble
17097         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17098         \let\@LTRfootnotetext=\@gobble
17099         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17100         \let\@RTLfootnotetext=\@gobble
17101         \sbox\@tempboxa{%
17102             {\capfont{\strut\ignorespaces
17103                 #1{\caplabelfont{#2\captionformat}}}%
17104                 #3\unskip\strut}}%
17105         }%
17106         \let\@footnotetext=\scr@tmp@footnotetext
17107         \let\scr@tmp@footnotetext=\undefined
17108         \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17109         \let\scr@tmp@LTRfootnotetext=\undefined
17110         \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17111         \let\scr@tmp@RTLfootnotetext=\undefined
17112         \setcounter{footnote}{\@tempcntb}%

```





```

17113 \setcounter{mpfootnote}{\@tempcnta}%
17114 \else
17115 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17116 \fi
17117 \begingroup%
17118 \setlength{\@tempdima}{\cap@width}%
17119 \ifdim \wd\@tempboxa >\@tempdima
17120 \hb@xt@\hsize{%
17121 \setbox\@tempboxa\vbox{\hsize=\cap@width
17122 \ifdofullc@p
17123 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17124 #1{\caplabelfont{#2\captionformat}}}}}%
17125 {#3\unskip\strut\par}}}%
17126 \else%
17127 \ifdim\cap@indent<\z@
17128 {\capfont{\strut\ignorespaces
17129 #1{\caplabelfont{#2\captionformat\par}}}%
17130 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17131 \else%
17132 \if@capbreak
17133 {\capfont{\strut\ignorespaces
17134 #1{\caplabelfont{#2\captionformat\par}}}%
17135 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17136 \else
17137 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17138 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17139 {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
17140 \fi
17141 \fi
17142 \fi
17143 }%
17144 \setlength{\@tempdima}{\ht\@tempboxa}%
17145 \addtolength{\@tempdima}{\dp\@tempboxa}%
17146 \addtolength{\@tempdima}{-\ht\strutbox}%
17147 \ht\@tempboxa\ht\strutbox
17148 \dp\@tempboxa\@tempdima
17149 \strut\cap@left
17150 \box\@tempboxa
17151 \cap@right\strut
17152 }%
17153 \else
17154 \global \@minipagefalse
17155 \sbox\@tempboxa{%
17156 {\capfont{\scr@smashdp{\strut\ignorespaces
17157 #1{\caplabelfont{#2\captionformat}}}%
17158 #3}}}%
17159 }%
17160 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
17161 \fi
17162 \endgroup

```



```

17163 }
17164 \renewcommand{\@makecaption}[2]{%
17165   \if@captionabove
17166     \vskip\belowcaptionskip
17167   \else
17168     \vskip\abovecaptionskip
17169   \fi
17170   \@makecaption\@firstofone{#1}{#2}%
17171   \if@captionabove
17172     \vskip\abovecaptionskip
17173   \else
17174     \vskip\belowcaptionskip
17175   \fi
17176 }
17177 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17178   \@ifpackageloaded{caption2}{\@komalongtablefalse
17179     \scr@caption@before@longtable@warning{caption2}%
17180   }{}%
17181   \if@komalongtable
17182     \renewcommand{\LT@makecaption}[3]{%
17183       \noalign{%
17184         \if@captionabove
17185           \vskip\belowcaptionskip
17186         \else
17187           \vskip\abovecaptionskip
17188         \fi
17189       }%
17190       \LT@mcol\LT@cols c{%
17191         \hbox to\z@{\hss\parbox[t]{linewidth{%
17192           \@makecaption{#1}{#2}{#3}%
17193         }\endgraf
17194         \if@captionabove
17195           \vskip\abovecaptionskip
17196         \else
17197           \vskip\belowcaptionskip
17198         \fi
17199       }%
17200       \hss
17201     }%
17202   }%
17203 }%
17204 \renewcommand*{\scr@LT@array}{}%
17205 \let\scr@LT@array=\LT@array
17206 \renewcommand*{\LT@array}{%
17207   \let\scr@caption=\LT@caption
17208   \def\captionabove{\noalign{\global\@captionabovetrue}%
17209     \scr@caption}%
17210   \def\captionbelow{\noalign{\global\@captionabovetrue}%
17211     \scr@caption}%
17212   \if@tablecaptionabove

```



```

17213         \let\LT@caption=\captionabove
17214     \else
17215         \let\LT@caption=\captionbelow
17216     \fi
17217     \scr@LT@array
17218 }%
17219 \ClassInfo{\KOMAClassName}{%
17220     longtable captions redefined%
17221 }%
17222 \fi
17223 }

```

### 7.105 sidecap-xetex-bidi.def

```

17224 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
17225 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
17226     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
17227 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
17228 \renewcommand*{\SC@justify@caption}{\if@RTL%
17229 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
17230     \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

### 7.106 soul-xetex-bidi.def

```

17231 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
17232 \long\def\SOUL@start#1{%
17233     \let\bidi@RTL@everypar\@empty
17234     \let\<\SOUL@lowerthan
17235     \let\>\empty
17236     \def\soulomit{\noexpand\soulomit}%
17237     \gdef\SOUL@eventuallyexhyphen#1{%
17238     \let\SOUL@soeventuallyskip\relax
17239     \SOUL@spaceskip=\fontdimen\tw@font\@plus\fontdimen\thr@font
17240     \@minus\fontdimen4font
17241     \SOUL@ignorespacesfalse
17242     \leavevmode
17243     \SOUL@preamble
17244     \SOUL@lasttoken={}%
17245     \SOUL@word={}%
17246     \SOUL@minus\z@
17247     \SOUL@comma\z@
17248     \SOUL@apo\z@
17249     \SOUL@grave\z@
17250     \SOUL@do{#1}%
17251     \SOUL@postamble
17252 }}
17253 \def\SOUL@ulunderline#1{%
17254     \setbox\z@\hbox{#1}%
17255     \dimen@=\wd\z@
17256     \dimen@i=\SOUL@uloverlap
17257     \advance\dimen@2\dimen@i

```



```

17258 \if@RTL
17259 \unhcopy\z@
17260 \llap{%
17261 \null
17262 \kern-\dimen@i
17263 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17264 }%
17265 \else
17266 \rlap{%
17267 \null
17268 \kern-\dimen@i
17269 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17270 }%
17271 \unhcopy\z@
17272 \fi
17273 }}
17274 \def\bidi@SOUL@ulleaders{%
17275 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\rela
17276 }
17277 \def\SOUL@uleveryspace#1{%
17278 \if@RTL
17279 #1%
17280 \bidi@SOUL@ulleaders
17281 \hskip\spaceskip
17282 \else
17283 \SOUL@ulcolor{%
17284 #1%
17285 \SOUL@ulleaders
17286 \hskip\spaceskip
17287 }%
17288 \fi
17289 \null
17290 }

```

### 7.107 stabular-xetex-bidi.def

```

17291 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
17292 \def\@stabular{\if@RTL\@RTLtabtrue\fi
17293 \leavevmode \bgroup \if@RTLtab\beginR \fi
17294 \let\@acol\@tabacol
17295 \let\@classz\@tabclassz
17296 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
17297 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17298 \egroup \if@RTLtab\endR\fi\egroup
17299 \@RTLtabfalse}
17300 \expandafter \let \csname endstabular*\endcsname = \endstabular
17301 \def\@sarray[#1]#2{%
17302 \bgroup
17303 \setbox\@arstrutbox\hbox{%
17304 \vrule \@height\arraystretch\ht\strutbox

```



```

17305         \@depth\arraystretch \dp\strutbox
17306         \@width\z@}%
17307     \@mkpream{#2}%
17308     \edef\@preamble{%
17309         \ialign \noexpand\@halignto
17310             \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17311     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17312     \let\tabularnewline\%
17313     \let\@sharp##%
17314     \set@typeset@protect
17315     \lineskip\z@skip\baselineskip\z@skip
17316     \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
17317     \@preamble}

```

### 7.108 subfigure-xetex-bidi.def

```

17318 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
17319 \AtBeginDocument{%
17320 \let\p@subfigure=\thefigure
17321 \let\p@subtable=\thetable%
17322 }

```

### 7.109 tabs-xetex-bidi.def

```

17323 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
17324 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
17325     \@RTLtabfalse}
17326
17327 \expandafter\let\csname endtabular*\endcsname=\endtabular
17328
17329 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crcr if \ given
17330     \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
17331     \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
17332
17333 \def\@array[#1]#2{% remember global variables to allow recursion:
17334     \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
17335         \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
17336     \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
17337     \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
17338     \else \let\@tarlinesep\tablinesep \fi
17339     \divide\@tarlinesep\tw@ % half sep is applied to height & depth
17340     \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
17341     \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
17342     \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
17343         \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
17344         \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
17345         \fi \setbox\@arstrutbox\hbox{% set up smaller strut
17346             \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
17347         \let\protect\noexpand
17348         \edef\@preamble{\ialign \noexpand\@halignto \bgroup
17349             \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%

```



```

17350 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17351 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
17352 \bgroup \let\par\@empty
17353 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
17354 \advance\extrarulesep.5\arrayrulewidth
17355 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
17356 \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbox \fi\bgroup\fi
17357 \@preamble}

```

## 7.110 tabularx-xetex-bidi.def

```

17358 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
17359 \def\TX@endtabularx{%
17360   \expandafter\expandafter\expandafter
17361     \TX@find@endtabularxa\csname end\TX@\endcsname
17362     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
17363   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
17364   \let\verb\TX@verb
17365   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
17366   \edef\TX@ckpt{\cl@ckpt}%
17367   \let\@elt\relax
17368   \TX@old@table\maxdimen
17369   \TX@col@width\TX@target
17370   \global\TX@cols\@ne
17371   \TX@typeout@
17372   {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17373   \TX@trial{\def\NC@rewriteX{%
17374     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17375   \loop
17376     \TX@arith
17377     \ifTX@
17378     \TX@trial{}%
17379   \repeat
17380   {\let\@footnotetext\TX@fnttext\let\@xfootnotenext\TX@xftntext
17381   \let\@LTRfootnotetext\TX@LTRfnttext\let\@xLTRfootnotenext\TX@xLTRfnttext
17382   \let\@RTLfootnotetext\TX@RTLfnttext\let\@xRTLfootnotenext\TX@xRTLfnttext
17383   \csname tabular*\expandafter\endcsname\expandafter\TX@target
17384     \the\toks@
17385   \csname endtabular*\endcsname}%
17386   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17387   \ifnum0=~{\fi}%
17388   \expandafter\expandafter\expandafter
17389   \TX@find@endtabularxbb
17390   \expandafter\end\expandafter{\TX@}%
17391   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
17392 }
17393
17394 \def\TX@trial#1{%
17395   \setbox\@tempboxa\hbox{%
17396     #1\relax

```



```

17397 \let\@footnotetext\TX@trial@ftn
17398 \let\@LTRfootnotetext\TX@trial@ftn
17399 \let\@RTLfootnotetext\TX@trial@ftn
17400 \let\TX@vwarn\@empty
17401 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
17402 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
17403 \def\write{\begingroup
17404   \def\let{\afterassignment\endgroup\toks@}%
17405   \afterassignment\let\count@}%
17406   \hbadness\@M
17407   \hfuzz\maxdimen
17408   \let\hbadness\@tempcnta
17409   \let\hfuzz\@tempdima
17410   \expandafter\tabular\the\toks@
17411   \endtabular}%
17412 \TX@ckpt
17413 \TX@typeout@{\@spaces
17414   \expandafter\TX@align
17415   \the\wd\@tempboxa\space\space\space\space\space\@@
17416   \expandafter\TX@align
17417   \the\TX@col@width\space\space\space\space\space\@@
17418   \@spaces\the\TX@cols}}
17419
17420 \long\def\TX@LTRftntext#1{%
17421   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
17422     [\the\csname c@\@mpfn\endcsname]}}%
17423   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17424 \long\def\TX@xLTRftntext[#1]#2{%
17425   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
17426
17427 \long\def\TX@RTLftntext#1{%
17428   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
17429     [\the\csname c@\@mpfn\endcsname]}}%
17430   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17431 \long\def\TX@xRTLftntext[#1]#2{%
17432   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

## 7.111 tabulary-xetex-bidi.def

```

17433 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
17434 \def\@testpach{\@chclass
17435   \ifnum \@lastchclass=6 \@one \@chnum \@one \else
17436   \ifnum \@lastchclass=7 5 \else
17437   \ifnum \@lastchclass=8 \tw@ \else
17438   \ifnum \@lastchclass=9 \thr@@
17439   \else \@z@
17440   \ifnum \@lastchclass = 10 \else
17441   \edef\@nextchar{\expandafter\string\@nextchar}%
17442   \@chnum
17443   \if \@nextchar c\z@ \else

```



```

17444 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
17445 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
17446 \if \@nextchar C7 \else
17447 \if \@nextchar L8 \else
17448 \if \@nextchar R9 \else
17449 \if \@nextchar J10 \else
17450 \z@ \@chclass
17451 \if \@nextchar |\@ne \else
17452 \if \@nextchar !6 \else
17453 \if \@nextchar @7 \else
17454 \if \@nextchar <8 \else
17455 \if \@nextchar >9 \else
17456 10
17457 \@chnum
17458 \if \@nextchar m\thr@@\else
17459 \if \@nextchar p4 \else
17460 \if \@nextchar b5 \else
17461 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
17462 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

### 7.112 tc-xetex-bidi.def

```

17463 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
17464 \def\@cliptoboxdim#1{%
17465   \setbox#1=\hbox{%
17466     \Gin@defaultbp\WIDTH{\wd#1}%
17467     \Gin@defaultbp\DEPTH{\dp#1}%
17468     \@tempdima\ht#1%
17469     \advance\@tempdima\dp#1%
17470     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17471     \beginL\special{pdf:bcontent }%
17472     \special{%
17473       pdf:literal direct
17474       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17475     }%
17476     \special{pdf:literal direct W }%
17477     \special{pdf:literal direct n }%
17478     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17479     \special{pdf:econtent }\endL%
17480   }%
17481 }

```

### 7.113 titlesec-xetex-bidi.def

```

17482 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for XeTeX]
17483 \renewcommand\filright{%
17484   \gdef\ttl@filleft##1{\hskip##1}%
17485   \gdef\ttl@filright##1{\hfill}%
17486   \let\\\@centercr
17487   \advance\rightskip\z@ \@plus 1fil
17488   \parfillskip\z@}

```





```

17489 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
17490   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17491   \setlength\leftskip{#6}%
17492   \setlength\rightskip{#7}%
17493   \interlinepenalty\@M
17494   \ttl@changecentercr
17495   \ttl@beginlongest
17496   #1{\ifhmode\ttl@hmode@error\fi
17497     \ttl@glcmds
17498     \parindent\z@
17499     \leavevmode
17500     \begingroup
17501     \ifttl@label
17502       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17503       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17504       \llap{\box\z@}%
17505     \fi
17506     #4{#8}%
17507     \kern\z@\strut\@par
17508   \endgroup
17509   \nobreak\ttl@midlongest#5\@par}%
17510 \ttl@endlongest}

```

## 7.114 titletoc-xetex-bidi.def

```

17511 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
17512 \renewcommand\filright{%
17513   \gdef\ttl@filleft##1{\hskip##1}%
17514   \gdef\ttl@filright##1{\hfill}%
17515   \let\\\@centercr
17516   \advance\rightskip\z@ \@plus 1fil
17517 \parfillskip\z@}
17518 \renewcommand\contentspush[1]{%
17519   \sbox\z@{#1}%
17520   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
17521   \aftergroup\ttl@b
17522   \leavevmode\llap{\box\z@}}
17523 \def\ttl@outnoblock#1#2#3{%
17524   \begingroup
17525   \ifnum\ttl@b>\ttl@a
17526     \nobreak
17527   \else\ifnum\ttl@b<\ttl@a
17528     \addpenalty{\@secpenalty}%
17529   \else
17530     \addpenalty{\z@}%
17531   \fi\fi
17532   \ttl@contentsstretch
17533   \nobreak
17534   \ifcase#1\relax\else\interlinepenalty\@M\fi
17535   \parindent\z@

```



```

17536 \ifx\@nil#2%
17537   \PackageError{titletoc}{Unimplemented}%
17538   {The optional argument is currently mandatory}%
17539 \else
17540   \if@RTL\setlength\rightskip{#2}\else
17541   \setlength\leftskip{#2}\fi%
17542 \fi
17543 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
17544 \let\contentsmargin\ttl@margin
17545 \def\ttl@makeline##1{##1}%
17546 #3%
17547 \addtolength{\parfillskip}{-\ttl@corr}%
17548 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17549 \let\ttl@leaders\leaders}
17550 \renewcommand\ttl@margin[2][\z@]{%
17551   \def\ttl@corr{#1}%
17552   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17553   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
17554   \def\@pnumwidth{#2}}
17555 \let\ttl@savel@part\l@part
17556 \def\l@part{\ttl@lselect{part}}
17557
17558 \let\ttl@savel@chapter\l@chapter
17559 \def\l@chapter{\ttl@lselect{chapter}}

```

## 7.115 tocibind-xetex-bidi.def

```

17560 \ProvidesFile{tocbibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocbibind package]
17561 \if@dotocbib
17562   \ifpackageloaded{natbib}{\% natbib not loaded
17563     \renewcommand{\bibsection}{\t@cb@bchapsec}
17564     \renewenvironment{thebibliography}[1]{%
17565       \bibsection
17566       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
17567   \renewenvironment{thebibitemlist}[1]{
17568     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17569     \list{\@biblabel{\@arabic{c@enumiv}}}%
17570       {\settowidth\labelwidth{\@biblabel{#1}}%
17571        \leftmargin\labelwidth
17572        \advance\leftmargin\labelsep
17573        \@openbib@code
17574        \usecounter{enumiv}%
17575        \let\p@enumiv\@empty
17576        \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
17577     \sloppy
17578     \clubpenalty4000
17579     \@clubpenalty \clubpenalty
17580     \widowpenalty4000%
17581     \sfcode`.\@m}
17582   {\def\@noitemerr

```



```

17583     {\@latex@warning{Empty `thebibliography' environment}}%
17584     \endlist}
17585
17586     \@ifpackagewith{chapterbib}{sectionbib}%
17587     {\renewcommand{\sectionbib}[2]{}}%
17588     {}
17589
17590 \fi
17591 \if@inltxdoc\else
17592   \renewenvironment{theindex}%
17593   {\if@twocolumn
17594     \@restonecolfalse
17595   \else
17596     \@restonecoltrue
17597   \fi
17598   \if@bibchapter
17599     \if@donumindex
17600       \refstepcounter{chapter}
17601       \twocolumn[\vspace*{2\topskip}%
17602         \@makechapterhead{\indexname}]]%
17603       \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
17604       \chaptermark{\indexname}
17605     \else
17606       \if@dotocind
17607         \twocolumn[\vspace*{2\topskip}%
17608           \@makeschapterhead{\indexname}]]%
17609         \prw@mkboth{\indexname}
17610         \addcontentsline{toc}{chapter}{\indexname}
17611       \else
17612         \twocolumn[\vspace*{2\topskip}%
17613           \@makeschapterhead{\indexname}]]%
17614         \prw@mkboth{\indexname}
17615       \fi
17616     \fi
17617   \else
17618     \if@donumindex
17619       \twocolumn[\vspace*{-1.5\topskip}%
17620         \@nameuse{\@tocextra}{\indexname}]]%
17621       \csname \@tocextra mark\endcsname{\indexname}
17622     \else
17623       \if@dotocind
17624         \twocolumn[\vspace*{-1.5\topskip}%
17625           \toc@headstar{\@tocextra}{\indexname}]]%
17626         \prw@mkboth{\indexname}
17627         \addcontentsline{toc}{\@tocextra}{\indexname}
17628       \else
17629         \twocolumn[\vspace*{-1.5\topskip}%
17630           \toc@headstar{\@tocextra}{\indexname}]]%
17631         \prw@mkboth{\indexname}
17632       \fi

```



```

17633         \fi
17634     \fi
17635     \thispagestyle{plain}\parindent\z@
17636     \parskip\z@ \@plus .3\p@\relax
17637     \let\item\@idxitem}
17638     {\if@restonecol\onecolumn\else\clearpage\fi}
17639 \fi

```

## 7.116 tocloft-xetex-bidi.def

```

17640 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for Xe
17641 \let\cftdot\@SepMark
17642 \if@cfthaspart
17643 \renewcommand*{\l@part}[2]{
17644     \@cftdopartfalse
17645     \ifnum \c@tocdepth >-2\relax
17646         \if@cfthaschapter
17647             \@cftdoparttrue
17648         \fi
17649         \ifnum \c@tocdepth >\m@ne
17650             \if@cfthaschapter\else
17651                 \@cftdoparttrue
17652             \fi
17653         \fi
17654     \fi
17655     \if@cftdopart
17656         \if@cfthaschapter
17657             \addpenalty{-\@highpenalty}
17658         \else
17659             \addpenalty\@secpenalty
17660         \fi
17661         \addvspace{\cftbeforepartskip}
17662         \begingroup
17663             {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
17664             \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17665             \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17666             \parindent \cftpartindent\relax\@afterindenttrue
17667             \interlinepenalty\@M
17668             \leavevmode
17669             \@tempdima \cftpartnumwidth\relax
17670             \let\cftbsnum \cftpartpresnum
17671             \let\cftasnum \cftpartaftersnum
17672             \let\cftasnumb \cftpartaftersnumb
17673             \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
17674             {\cftpartfont \cftpartpresnum #1}
17675             \cftpartfillnum{#2}}
17676         \nobreak
17677         \if@cfthaschapter
17678             \global\@nobreaktrue
17679             \everypar{\global\@nobreakfalse\everypar{}}

```



```

17680     \else
17681         \ifcompatibility
17682             \global\@nbreaktrue
17683             \everypar{\global\@nbreakfalse\everypar{}}
17684         \fi
17685     \fi
17686 \endgroup
17687 \fi}
17688 \fi
17689 \if@cfthaschapter
17690 \renewcommand*{\l@chapter}[2]{
17691     \ifnum \c@tocdepth >\m@ne
17692         \addpenalty{-\@highpenalty}
17693         \vskip \cftbeforechapskip
17694         {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
17695         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17696         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17697         \parindent \cftchapindent\relax\@afterindenttrue
17698         \interlinepenalty\@M
17699         \leavevmode
17700         \@tempdima \cftchapnumwidth\relax
17701         \let\@cftbsnum \cftchappresnum
17702         \let\@cftasnum \cftchapaftersnum
17703         \let\@cftasnumb \cftchapaftersnumb
17704         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17705         {\cftchapfont #1}\nobreak
17706         \cftchapfillnum{#2}}
17707 \fi}
17708 \fi
17709 \renewcommand*{\l@section}[2]{%
17710     \ifnum \c@tocdepth >\z@
17711         \if@cfthaschapter
17712             \vskip \cftbeforesecskip
17713         \else
17714             \addpenalty\@secpenalty
17715             \addvspace{\cftbeforesecskip}
17716         \fi
17717         {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
17718         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17719         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17720         \parindent \cftsecindent\relax\@afterindenttrue
17721         \interlinepenalty\@M
17722         \leavevmode
17723         \@tempdima \cftsecnumwidth\relax
17724         \let\@cftbsnum \cftsecpresnum
17725         \let\@cftasnum \cftsecaftersnum
17726         \let\@cftasnumb \cftsecaftersnumb
17727         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17728         {\cftsecfont #1}\nobreak
17729         \cftsecfillnum{#2}}

```



```

17730 \fi}
17731 \renewcommand*{\l@section}[2]{%
17732 \ifnum \c@tocdepth >\@ne
17733 \vskip \cftbeforesubsecskip
17734 {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
17735 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17736 \parfillskip -\if@RTL\leftskip\else\righskip\fi
17737 \parindent \cftsubsecindent\relax\@afterindenttrue
17738 \interlinepenalty\@M
17739 \leavevmode
17740 \@tempdima \cftsubsecnumwidth\relax
17741 \let\@cftbsnum \cftsubsecpresnum
17742 \let\@cftasnum \cftsubsecaftersnum
17743 \let\@cftasnumb \cftsubsecaftersnumb
17744 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
17745 {\cftsubsecfont #1}\nobreak
17746 \cftsubsecfillnum{#2}}
17747 \fi}
17748 \renewcommand*{\l@subsubsection}[2]{%
17749 \ifnum \c@tocdepth >\tw@
17750 \vskip \cftbeforesubsubsecskip
17751 {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
17752 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17753 \parfillskip -\if@RTL\leftskip\else\righskip\fi
17754 \parindent \cftsubsubsecindent\relax\@afterindenttrue
17755 \interlinepenalty\@M
17756 \leavevmode
17757 \@tempdima \cftsubsubsecnumwidth\relax
17758 \let\@cftbsnum \cftsubsubsecpresnum
17759 \let\@cftasnum \cftsubsubsecaftersnum
17760 \let\@cftasnumb \cftsubsubsecaftersnumb
17761 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
17762 {\cftsubsubsecfont #1}\nobreak
17763 \cftsubsubsecfillnum{#2}}
17764 \fi}
17765 \renewcommand*{\l@paragraph}[2]{%
17766 \ifnum \c@tocdepth >3\relax
17767 \vskip \cftbeforeparaskip
17768 {\if@RTL\righskip\else\leftskip\fi \cftparaindent\relax
17769 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17770 \parfillskip -\if@RTL\leftskip\else\righskip\fi
17771 \parindent \cftparaindent\relax\@afterindenttrue
17772 \interlinepenalty\@M
17773 \leavevmode
17774 \@tempdima \cftparanumwidth\relax
17775 \let\@cftbsnum \cftparapresnum
17776 \let\@cftasnum \cftparaaftersnum
17777 \let\@cftasnumb \cftparaaftersnumb
17778 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
17779 {\cftparafont #1}\nobreak

```



```

17780     \cftparafillnum{#2}}
17781   \fi}
17782 \renewcommand*{\l@subparagraph}[2]{%
17783   \ifnum \c@tocdepth >4\relax
17784     \vskip \cftbeforesubparaskip
17785     {\if@RTL\rightskip\else\leftskip\fi \cftsubparindent\relax
17786     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17787     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17788     \parindent \cftsubparindent\relax\@afterindenttrue
17789     \interlinepenalty\@M
17790     \leavevmode
17791     \@tempdima \cftsubparanumwidth\relax
17792     \let\cftbsnum \cftsubparapresnum
17793     \let\cftasnum \cftsubparaaftersnum
17794     \let\cftasnumb \cftsubparaaftersnumb
17795     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17796     {\cftsubparafont #1}\nobreak
17797     \cftsubparafillnum{#2}}
17798   \fi}
17799 \renewcommand*{\l@figure}[2]{%
17800   \ifnum \c@lofdepth >\z@
17801     \vskip \cftbeforefigskip
17802     {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
17803     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17804     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17805     \parindent \cftfigindent\relax\@afterindenttrue
17806     \interlinepenalty\@M
17807     \leavevmode
17808     \@tempdima \cftfignumwidth\relax
17809     \let\cftbsnum \cftfigpresnum
17810     \let\cftasnum \cftfigaftersnum
17811     \let\cftasnumb \cftfigaftersnumb
17812     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17813     {\cftfigfont #1}\nobreak
17814     \cftfigfillnum{#2}}
17815   \fi
17816 }
17817 \renewcommand*{\l@table}[2]{%
17818   \ifnum\c@lotdepth >\z@
17819     \vskip \cftbeforetabskip
17820     {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
17821     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17822     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17823     \parindent \cfttabindent\relax\@afterindenttrue
17824     \interlinepenalty\@M
17825     \leavevmode
17826     \@tempdima \cfttabnumwidth\relax
17827     \let\cftbsnum \cfttabpresnum
17828     \let\cftasnum \cfttabaftersnum
17829     \let\cftasnumb \cfttabaftersnumb

```



```

17830 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17831 {\cfttabfont #1}\nobreak
17832 \cfttabfillnum{##2}}
17833 \fi
17834 }
17835 \renewcommand{\@cftl@subfig}{
17836 \renewcommand*{\l@subfigure}[2]{%
17837 \ifnum \c@l@ofdepth > \toclevel@subfigure
17838 \vskip \cftbeforesubfigskip
17839 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
17840 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17841 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17842 \parindent \cftsubfigindent\relax\@afterindenttrue
17843 \interlinepenalty\@M
17844 \leavevmode
17845 \@tempdima \cftsubfignumwidth\relax
17846 \let\@cftbsnum \cftsubfigpresnum
17847 \let\@cftasnum \cftsubfigaftersnum
17848 \let\@cftasnumb \cftsubfigaftersnumb
17849 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17850 {\cftsubfigfont ##1}\nobreak
17851 \cftsubfigfillnum{##2}}
17852 \fi
17853 }
17854 }
17855 \renewcommand{\@cftl@subtab}{
17856 \renewcommand*{\l@subtable}[2]{%
17857 \ifnum \c@l@otdepth > \toclevel@subtable
17858 \vskip \cftbeforesubtabskip
17859 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
17860 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17861 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17862 \parindent \cftsubtabindent\relax\@afterindenttrue
17863 \interlinepenalty\@M
17864 \leavevmode
17865 \@tempdima \cftsubtabnumwidth\relax
17866 \let\@cftbsnum \cftsubtabpresnum
17867 \let\@cftasnum \cftsubtabaftersnum
17868 \let\@cftasnumb \cftsubtabaftersnumb
17869 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17870 {\cftsubtabfont ##1}\nobreak
17871 \cftsubtabfillnum{##2}}
17872 \fi
17873 }
17874 }
17875 \renewcommand{\newlistentry}[4][\@empty]{%
17876 \@ifundefined{c@#2}{% check & set the counter
17877 \ifx \@empty#1\relax
17878 \newcounter{#2}
17879 \else

```





```

17880 \ifundefined{c@#1}{\PackageWarning{tocloft}%
17881     {#1 has no counter for use as a `within'}
17882     \newcounter{#2}}%
17883     {\newcounter{#2}[#1]%
17884     \expandafter\edef\csname the#2\endcsname{%
17885     \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
17886 \fi
17887 \setcounter{#2}{0}
17888 }
17889 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
17890
17891 \@namedef{l@#2}##1##2{%
17892     \ifnum \@nameuse{c@#3depth} > #4\relax
17893     \vskip \@nameuse{cftbefore#2skip}
17894     {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
17895     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
17896     \parfillskip -\if@RTL\leftskip\else\righskip\fi
17897     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
17898     \interlinepenalty\@M
17899     \leavevmode
17900     \@tempdima \@nameuse{cft#2numwidth}\relax
17901     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
17902     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
17903     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
17904     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righskip
17905     {\@nameuse{cft#2font}##1}\nobreak
17906     \@nameuse{cft#2fillnum}{##2}}
17907 \fi
17908 } % end of l@#2
17909
17910 \expandafter\newlength\csname cftbefore#2skip\endcsname
17911 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
17912 \expandafter\newlength\csname cft#2indent\endcsname
17913 \expandafter\newlength\csname cft#2numwidth\endcsname
17914 \ifcase #4\relax % 0
17915     \setlength{\@nameuse{cft#2indent}}{0em}
17916     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
17917 \or % 1
17918     \setlength{\@nameuse{cft#2indent}}{1.5em}
17919     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
17920 \or % 2
17921     \setlength{\@nameuse{cft#2indent}}{3.8em}
17922     \setlength{\@nameuse{cft#2numwidth}}{3.2em}
17923 \or % 3
17924     \setlength{\@nameuse{cft#2indent}}{7.0em}
17925     \setlength{\@nameuse{cft#2numwidth}}{4.1em}
17926 \else % anything else
17927     \setlength{\@nameuse{cft#2indent}}{10.0em}
17928     \setlength{\@nameuse{cft#2numwidth}}{5.0em}
17929 \fi

```



```

17930 \@namedef{cft#2font}{\normalfont}
17931 \@namedef{cft#2presnum}{\}
17932 \@namedef{cft#2aftersnum}{\}
17933 \@namedef{cft#2aftersnumb}{\}
17934 \@namedef{cft#2dotsep}{\cftdotsep}
17935 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
17936 \@namedef{cft#2pagefont}{\normalfont}
17937 \@namedef{cft#2afterpnum}{\}
17938 \@namedef{toclevel@#2}{#4}
17939 \@namedef{cft#2fillnum}##1{%
17940   {\@nameuse{cft#2leader}}\nobreak
17941   \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
17942 } % end \newlistentry
17943 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
17944   {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
17945   \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
17946   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
17947   \textit{#1}\protect\par}}}

```

## 7.117 tocstyle-xetex-bidi.def

```

17948 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
17949 \renewcommand*{\tocstyle@dottedtocline}[5]{%
17950   \let\numberline\tocstyle@numberline
17951   \ifnum #1>\c@tocdepth \else
17952     \if@tocstyle@penalties
17953       \begingroup
17954         \@tempcnta 20010
17955         \advance \@tempcnta by -#1
17956         \ifnum \@tempcnta>\lastpenalty
17957           \aftergroup\penalty\aftergroup\@lowpenalty
17958         \fi
17959       \endgroup
17960     \fi
17961     \edef\tocstyledepth{#1}%
17962     \tocstyle@activate@features
17963     \ifx\tocstyle@feature@entryvskip\relax
17964       \vskip \z@ \@plus.2\p@
17965     \else
17966       \addvspace{\tocstyle@feature@entryvskip}%
17967     \fi
17968     {%
17969     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
17970     \tocstyle@feature@raggedhook
17971     \@tempdima #3\relax
17972     \@tempdimb #2\relax
17973     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
17974     \ifnum #1>\z@\relax
17975       \@tempcnta #1\relax \advance\@tempcnta \m@ne
17976     \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname

```



```

17977 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17978 \@tempdimb
17979 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17980 \advance\@tempdimb
17981 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17982 \fi
17983 \fi
17984 \fi
17985 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17986 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
17987 \ifdim \@tempdimb>
17988 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
17989 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17990 @#1\endcsname{\the\@tempdimb}%
17991 \fi
17992 \else
17993 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17994 @#1\endcsname{\the\@tempdimb}%
17995 \fi
17996 \iftocstyle@autolength
17997 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
17998 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
17999 \relax
18000 \fi
18001 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18002 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18003 \relax
18004 \fi
18005 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18006 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18007 \else
18008 \@tempdimb #2\relax
18009 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18010 \fi
18011 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
18012 \ifdim \@tempdima>
18013 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
18014 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18015 @\endcsname{\the\@tempdima}%
18016 \fi
18017 \else
18018 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18019 @\endcsname{\the\@tempdima}%
18020 \fi
18021 \ifcase\tocstyle@indentstyle\relax\else
18022 \@tempdimb \z@
18023 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18024 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18025 \relax
18026 \fi

```



```

18027     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18028     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18029     \fi
18030     \advance\parindent \@tempdimb\@afterindenttrue
18031     \advance\if@RTL\rightskip\else\leftskip\fi \parindent
18032     \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18033     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18034     \ifx\tocstyle@feature@parfillskip\relax\else
18035       \advance\parfillskip \tocstyle@feature@parfillskip\relax
18036     \fi
18037     \interlinepenalty\@M
18038     \leavevmode
18039     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
18040     \null\nobreak
18041     \iftocstyle@indentnotnumbered\else
18042       \hskip -\if@RTL\rightskip\else\leftskip\fi
18043     \fi
18044     \tocstyle@feature@entryhook
18045     {#4}\nobreak
18046     \ifx\tocstyle@feature@leaders\relax
18047       \leaders\hbox{$\m@th
18048         \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
18049         \mkern \@dotsep mu$}\hfill
18050     \else
18051       \tocstyle@feature@leaders
18052     \fi
18053     \nobreak
18054     \ifx\tocstyle@feature@pagenumberbox\relax
18055       \hbext@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
18056     \else
18057       \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
18058     \fi
18059     \par
18060   }%
18061   \if\tocstyle@penalties
18062     \bgroup
18063     \@tempcnta 20009
18064     \advance\@tempcnta by -#1
18065     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
18066     \reserved@a
18067   \fi
18068 \fi}
18069 \renewcommand*{\tocstyle@numberline}[1]{%
18070   \begingroup
18071     \ifx\tocstyle@feature@spaceafternumber\relax
18072       \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
18073     \else
18074       \settowidth\@tempdima{\tocstyle@numberline{#1}}%
18075     \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
18076   \fi

```



```

18077 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
18078 \ifdim \@tempdima >
18079 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
18080 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18081 @\tocstyledepth\endcsname{\the\@tempdima}%
18082 \fi
18083 \else
18084 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18085 @\tocstyledepth\endcsname{\the\@tempdima}%
18086 \fi
18087 \endgroup
18088 \iftocstyle@indentnotnumbered
18089 \hskip -\if@RTL\rightskip\else\leftskip\fi
18090 \fi
18091 \ifcase \tocstyle@indentstyle
18092 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
18093 \or
18094 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
18095 \else
18096 \ifx\tocstyle@feature@spaceafternumber\relax
18097 \hbox{\tocstyle@@numberline{#1}\enskip}%
18098 \else
18099 \hbox{\tocstyle@@numberline{#1}\hskip
18100 \tocstyle@feature@spaceafternumber\relax}%
18101 \fi
18102 \fi
18103 }
18104 \AtBeginDocument{%
18105 \ifcsname l@part\endcsname
18106 \ifcsname l@chapter\endcsname
18107 \setbox\@tempboxa\vbox{\hsize\maxdimen
18108 \l@part{\tocstyle@l@define{part}{-1}}{}}%
18109 \else
18110 \setbox\@tempboxa\vbox{\hsize\maxdimen
18111 \l@part{\tocstyle@l@define{part}{0}}{}}%
18112 \fi
18113 \fi
18114 \ifcsname l@chapter\endcsname
18115 \setbox\@tempboxa\vbox{\hsize\maxdimen
18116 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
18117 \fi
18118 \ifcsname l@section\endcsname
18119 \setbox\@tempboxa\vbox{\hsize\maxdimen
18120 \l@section{\tocstyle@l@define{section}{1}}{}}%
18121 \fi
18122 \ifcsname l@subsection\endcsname
18123 \setbox\@tempboxa\vbox{\hsize\maxdimen
18124 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
18125 \fi
18126 \ifcsname l@subsubsection\endcsname

```



```

18127 \setbox\@tempboxa\vbox{\hsize\maxdimen
18128 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
18129 \fi
18130 \ifcsname l@paragraph\endcsname
18131 \setbox\@tempboxa\vbox{\hsize\maxdimen
18132 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
18133 \fi
18134 \ifcsname l@subparagraph\endcsname
18135 \setbox\@tempboxa\vbox{\hsize\maxdimen
18136 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
18137 \fi
18138 \ifcsname l@table\endcsname
18139 \setbox\@tempboxa\vbox{\hsize\maxdimen
18140 \l@table{\tocstyle@l@define{table}{1}}{}}%
18141 \fi
18142 \ifcsname l@figure\endcsname
18143 \setbox\@tempboxa\vbox{\hsize\maxdimen
18144 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
18145 \fi
18146 \def\@tempa#1#2#3#4#5{%
18147 \ifnum #1>\c@tocdepth \else
18148 \vskip \z@ \@plus.2\p@
18149 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18150 \parindent #2\relax\@afterindenttrue
18151 \interlinepenalty\@M
18152 \leavevmode
18153 \@tempdima #3\relax
18154 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
18155 {#4}\nobreak
18156 \leaders\hbox{$\m@th
18157 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
18158 mu$}\hfill
18159 \nobreak
18160 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
18161 \par}%
18162 \fi}%
18163 \ifx\@dottedtocline\@tempa\else
18164 \tocstyle@macrochangewarning\@dottedtocline
18165 \fi
18166 \let\tocstyle@saved@dottedtocline\@dottedtocline
18167 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
18168 \ifx\numberline\@tempa\else
18169 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
18170 \ifx\numberline\@tempa\else
18171 \tocstyle@macrochangewarning\numberline
18172 \fi
18173 \fi
18174 \let\tocstyle@saved@numberline\numberline
18175 }
18176 \renewcommand*{\tocstyle@l@define}[2]{%

```



```

18177 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
18178 \edef\@tempa{%
18179   \noexpand\global\noexpand\let
18180   \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
18181   \expandafter\noexpand\csname l@#1\endcsname
18182   \noexpand\gdef
18183   \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
18184     \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
18185     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@#1{%
18186       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
18187       \expandafter\noexpand\csname tocstyle@l@#1\endcsname
18188     }%
18189   }%
18190   \PackageInfo{tocstyle}{prepare \expandafter\string
18191     \csname l@#1\endcsname\space for redefinition}%
18192   \@tempa
18193 }

```

## 7.118 todonotes-xetex-bidi.def

```

18194 \ProvidesFile{todonotes-xetex-bidi.def}[2015/06/17 v0.3 bidi adaptations for todonotes package]
18195 \newif\if@bidi@todonotes@textdirection@RTL
18196 \newif\if@bidi@todonotes@figposition@right
18197 \newcommand{\@bidi@todonotes@align}{}%
18198 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
18199 \newcommand{\@bidi@todonotes@textdirection}{}%
18200 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
18201   \ifcase\@bidi@todonotes@tempb\relax
18202     \@bidi@todonotes@textdirection@RTLtrue
18203     \let\@bidi@todonotes@textdirection\RLE
18204   \or
18205     \@bidi@todonotes@textdirection@RTLfalse
18206     \let\@bidi@todonotes@textdirection\LRE
18207   \fi}
18208 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
18209   \ifcase\@bidi@todonotes@tempb\relax
18210     \@bidi@todonotes@figposition@righttrue
18211   \or
18212     \@bidi@todonotes@figposition@rightfalse
18213   \fi}
18214 \if@todonotes@disabled%
18215 \else % \if@todonotes@disabled
18216 \renewcommand{\@todonotes@drawInlineNote}{%
18217   \if@todonotes@dviStyle%
18218     {\par\noindent\begin{tikzpicture}[remember picture]%
18219       \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
18220     \if@todonotes@authorgiven%
18221       {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
18222     \else%
18223       {\noindent \@todonotes@sizecommand \@todonotes@text}%

```



```

18224         \fi
18225         {\par\noindent\begin{tikzpicture}[remember picture]%
18226           \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
18227     \else%
18228       {\par\noindent\begin{tikzpicture}[remember picture]%
18229         \if@bidi@todonotes@textdirection@RTL\else\setLTR\fi%
18230         \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
18231           \if@todonotes@authorgiven%
18232             {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
18233           \else%
18234             {\noindent \@todonotes@sizecommand \@todonotes@text}%
18235           \fi};%
18236         \end{tikzpicture}\par}%
18237     \fi}%
18238 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
18239 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
18240   \node [coordinate] (inText) {};%
18241 \end{tikzpicture}%
18242 \marginpar[{\% Draw note in left margin
18243   \@todonotes@drawMarginNote%
18244   \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
18245 }]{\% Draw note in right margin
18246   \@todonotes@drawMarginNote%
18247   \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
18248 }%
18249 }%
18250 \renewcommand{\@todonotes@drawMarginNote}{%
18251 \if@todonotes@dviStyle%
18252   \begin{tikzpicture}[remember picture]%
18253     \draw node[notestyle] {};%
18254   \end{tikzpicture}\\%
18255   \begin{minipage}{\@todonotes@textwidth}%
18256     \if@todonotes@authorgiven%
18257       \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
18258     \else%
18259       \@todonotes@sizecommand \@todonotes@text%
18260     \fi%
18261   \end{minipage}\\%
18262   \begin{tikzpicture}[remember picture]%
18263     \draw node[notestyle] (inNote) {};%
18264   \end{tikzpicture}%
18265 \else%
18266   \let\originalHbadness\hbadness%
18267   \hbadness 100000%
18268   \begin{tikzpicture}[remember picture,baseline=(X.base)]%
18269     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
18270     \node(X){\vphantom{X}};%
18271     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{%
18272       {\@todonotes@text}};%
18273     \if@todonotes@authorgiven%

```





```

18274         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18275             {\@todonotes@sizecommand\@todonotes@author};%
18276             \node(Y)[below=of X]{};%
18277         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18278             {\@todonotes@text};%
18279         \else%
18280         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18281             {\@todonotes@text};%
18282         \fi%
18283     \end{tikzpicture}%
18284     \hbadness \originalHbadness%
18285 \fi}%
18286 \renewcommand{\missingfigure}[2][]{%
18287     \setkeys{todonotes}{#1}%
18288     \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
18289 \par
18290 \noindent
18291 \begin{tikzpicture}
18292     \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
18293         (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
18294     \if@bidi@todonotes@figposition@right%
18295     \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
18296     \fi%
18297     \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
18298         (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
18299     \if@bidi@todonotes@figposition@right%
18300     \end{scope}
18301     \begin{scope}[xshift=-3.8cm]
18302     \fi%
18303     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
18304     \draw (2, -0.3) node[right, text
18305         width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
18306     \if@bidi@todonotes@figposition@right%
18307     \end{scope}
18308     \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
18309     \fi%
18310     \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
18311     \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
18312     \if@bidi@todonotes@figposition@right%
18313     \end{scope}
18314     \fi%
18315     \end{tikzpicture}\hfill
18316 }% Ending \missingfigure command
18317 \fi % Ending \@todonotes@ifdisabled
18318 \presetkeys%
18319     {todonotes}%
18320     {align=left,%
18321     textdirection=lefttoright,%
18322     figposition=left}{}%

```



## 7.119 wrapfig-xetex-bidi.def

```

18323 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
18324 \let\WF@@everypar\ bidi@n@everypar
18325 \def\WF@putfigmaybe{%
18326 \ifinner
18327 \vskip-\parskip \global\WF@floatfalse
18328 \let\pagetotal\maxdimen % kludge flag for "not top of page"
18329 \else % outer page
18330 \@tempdima\pagedepth % save page depth
18331 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
18332 \penalty\interlinepenalty % update pg. parameters
18333 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
18334 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
18335 \global\WF@floatfalse
18336 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
18337 \else
18338 \ifdim\WF@size>\@tempdimb
18339 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
18340 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
18341 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
18342 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
18343 \advance\dimen@.5\baselineskip
18344 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
18345 \global\WF@floatfalse \pagebreak
18346 \fi
18347 \else % \WF@info{Fits in \the\@tempdimb;}%
18348 \global\WF@floatfalse
18349 \fi\fi
18350 \vskip\@tempdima\relax % (return erased page depth)
18351 \fi
18352 \noindent
18353 \ifWF@float
18354 \WF@fltmes
18355 \else % putting here;
18356 \WF@info{Put \WF@wfname here;}%
18357 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
18358 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
18359 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
18360 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
18361 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
18362 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
18363 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
18364 \xdef\WF@adlw{\the\@tempdima}%
18365 \ifnum `l=\WF@place % fig on left
18366 \if@RTL%
18367 \kern\@tempdimb \kern\columnsep
18368 \def\@tempa{\hss}% position to left of the gap
18369 \else%
18370 \hss % figure overlaps space to the left

```



```

18371 \def\@tempa{\kern\columnsep}% position to left of the gap
18372 \fi%
18373 \else % fig on right
18374 \if@RTL%
18375 \hss
18376 \@tempdima\z@
18377 \def\@tempa{\kern\columnsep}
18378 \else%
18379 \@tempdima\z@ % no left indentation
18380 \kern\@tempdimb \kern\columnsep
18381 \def\@tempa{\hss}% figure overlaps space to the right
18382 \fi%
18383 \fi
18384 \ifdim\@tempdimb<\hspace
18385 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
18386 \xdef\WF@adjtlm{\the\@tempdima}%
18387 \else
18388 \xdef\WF@wrapil{\z@ \the\hspace}%
18389 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
18390 \fi
18391 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
18392 \global\advance\WF@size-\intextsep
18393 \else % \WF@info{Putting \WF@wfname in middle of page}%
18394 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
18395 \fi \dp\WF@box\z@ \box\WF@box \@tempa
18396 }% end \hbox to Opt
18397 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
18398 \fi}

```

## 7.120 xcolor-xetex-bidi.def

```

18399 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
18400 \long\def\color@b@x#1#2#3%
18401 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
18402 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
18403 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
18404 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
18405 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
18406 \def\normalcolor{\let\currentcolor\defaultcolor\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
18407 \DeclareRobustCommand\color
18408 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}
18409 \def\@undeclaredcolor[#1]#2%
18410 {\begingroup
18411 \let\@cls\@empty
18412 \XC@getmodclr12{#1}{#2}{}%
18413 {\ifblendcolors
18414 \ifx\colorblend\@empty\else
18415 \edef\@mix{\expandafter@gobble\colorblend}\@tempswafalse
18416 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
18417 \fi

```



```

18418 \fi
18419 \ifconvertcolorsU
18420 \edef\@tmp{\XC@tgt@mod{\@mod}}%
18421 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18422 \fi
18423 \ifmaskcolors
18424 \convertcolorspec\@mod\@clr\XC@mmod\@clr
18425 \let\@mod\XC@mmod
18426 \XC@inflate\@mod\XC@mclr\@clr\@tmp
18427 \expandafter\XC@mul\@tmp,\@clr
18428 \fi
18429 \edef\@tmp{noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
18430 \expandafter\endgroup\@tmp}}
18431 \def\@declaredcolor#1%
18432 {\XC@edef\XC@tmp{#1}\XC@tstfalse
18433 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
18434 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
18435 \ifconvertcolorsU\XC@tsttrue\fi
18436 \fi
18437 \ifXC@tst
18438 \expandafter\XC@declaredcolor\else
18439 \expandafter\XC@declaredcolor\fi}
18440 \def\XC@undeclaredcolor#1#2%
18441 {\@ifundefinedmodel{#1}%
18442 {\color@error{model `#1'}}%
18443 {\@nameuse{color@#1}\current@color{#2}%
18444 \edef\XC@current@color{noexpand\xcolor@{\current@color}{#1}{#2}}%
18445 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18446 \def\XC@declaredcolor
18447 {\XC@let\NC\XC@current@color{\string\color@\XC@tmp}%
18448 \edef\current@color{\XC@current@color}%
18449 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18450 \DeclareRobustCommand\bidicolor
18451 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
18452 \def\@bidiundeclaredcolor[#1]#2%
18453 {\begingroup
18454 \let\@cls\@empty
18455 \XC@getmodclr12{#1}{#2}{}%
18456 {\ifblendcolors
18457 \ifx\colorblend\@empty\else
18458 \edef\@mix{\expandafter@gobble\colorblend}\@tempswafalse
18459 \XC@coremodel\@mod\@clr\@xcolor@{\}\@mod\@clr
18460 \fi
18461 \fi
18462 \ifconvertcolorsU
18463 \edef\@tmp{\XC@tgt@mod{\@mod}}%
18464 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18465 \fi
18466 \ifmaskcolors
18467 \convertcolorspec\@mod\@clr\XC@mmod\@clr

```



```

18468 \let\@@mod\XC@mod
18469 \XC@inflate\@@mod\XC@mclr\@@clr\@@tmp
18470 \expandafter\XC@mul\@@tmp,\@@clr
18471 \fi
18472 \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@@mod}{\@@clr}}%
18473 \expandafter\endgroup\@@tmp}}
18474 \def\XC@bidiundeclaredcolor#1#2%
18475 {\@ifundefinedmodel{#1}%
18476 {\c@lor@error{model `#1'}}%
18477 {\@nameuse{color#1}\current@color{#2}%
18478 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
18479 \XC@display}}
18480 \def\@bidideclaredcolor#1%
18481 {\XC@edef\XC@tmp{#1}\XC@tstfalse
18482 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
18483 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
18484 \ifconvertcolorsU\XC@tsttrue\fi
18485 \fi
18486 \ifXC@tst
18487 \expandafter\XC@bidideclaredcolor\else
18488 \expandafter\XC@bidideclaredc@lor\fi}
18489 \def\XC@bidideclaredcolor
18490 {\XC@split\XC@tmp
18491 \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@@mod]{\@@clr}}%
18492 \expandafter\endgroup\@@tmp}
18493 \def\XC@bidideclaredc@lor
18494 {\XC@let@Nc\XC@current@color{\string\color\XC@tmp}%
18495 \edef\current@color{\XC@current@color}%
18496 \XC@display}
18497 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
18498 \def\color@fbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
18499 \def\color@fb@x#1#2#3#4%
18500 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
18501 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
18502 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 7.121 latex-xetex-bidi.def

```

18503 \ProvidesFile{latex-xetex-bidi.def}[2016/09/09 v1.2.7 bidi adaptations for `latex.ltx' for XeTeX]
18504 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
18505 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
18506 \TeXXeTOn
18507 \def\@bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
18508 \let\@bidi@o@everypar=\everypar
18509 \newtoks\@bidi@n@everypar
18510 \@bidi@n@everypar\expandafter{\the\@bidi@o@everypar}
18511 \@bidi@o@everypar{\@bidi@RTL@everypar\the\@bidi@n@everypar}
18512 \let\everypar=\@bidi@n@everypar
18513 \def\@moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
18514 \def\@moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}

```



```

18515 \protected\def\hboxR{\hbox\bgroup
18516 \everyhbox{%
18517 \aftergroup\egroup
18518 \everyhbox{}}%
18519 \beginR
18520 \bgroup
18521 \aftergroup\endR
18522 \aftergroup\egroup
18523 }\hbox}
18524 \protected\def\hboxL{\hbox\bgroup
18525 \everyhbox{%
18526 \aftergroup\egroup
18527 \everyhbox{}}%
18528 \beginL
18529 \bgroup
18530 \aftergroup\endL
18531 \aftergroup\egroup
18532 }\hbox}
18533 \protected\def\vboxR{\vbox\bgroup
18534 \everyvbox{%
18535 \aftergroup\egroup
18536 \everyvbox{}}%
18537 \@RTLtrue
18538 \bgroup
18539 \aftergroup\egroup
18540 }\vbox}
18541 \protected\def\vboxL{\vbox\bgroup
18542 \everyvbox{%
18543 \aftergroup\egroup
18544 \everyvbox{}}%
18545 \@RTLfalse
18546 \bgroup
18547 \aftergroup\egroup
18548 }\vbox}
18549 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
18550 \def\endLTR{\par}
18551 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
18552 \def\endRTL{\par}
18553 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
18554 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
18555 \let\unsetRTL=\setLTR
18556 \let\unsetLTR=\setRTL
18557 \let\LR=\LRE
18558 \let\RL=\RLE
18559 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
18560 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
18561 \let\@ensure@RL=\@ensure@RTL
18562 \let\@ensure@LR=\@ensure@LTR
18563 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
18564 \let\@ensure@maindir=\@ensure@dir

```



```

18565 \def\@RTL{RTL}
18566 \def\@LTR{LTR}
18567 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
18568 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
18569 \let\@TeX\TeX
18570 \def\TeX{\@ensure@LTR{\@TeX}}
18571 \let\@LaTeX\LaTeX
18572 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
18573 \let\@LaTeXe\LaTeXe
18574 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
18575 \long\def\@bidi@reflect@box#1{%
18576   \leavevmode
18577   \setbox\z@\hbox{{#1}}%
18578   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
18579   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
18580 }
18581 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18582   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
18583 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18584   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
18585 \let\setRL=\setRTL
18586 \let\setLR=\setLTR
18587 \let\unsetRL=\setLTR
18588 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
18589 \@ifpackageloaded{array}{%
18590 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18591   \leavevmode
18592   \hbox \bgroup $\left.\col@sep\@tabcolsep \let\dollarbegin\begin\group
18593     \let\dollarend\end\group
18594   \@tabarray}
18595 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
18596 }{%
18597 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18598   \leavevmode \hbox \bgroup
18599   $\left.\let\@acol\@tabacol
18600   \let\@classz\@tabclassz
18601   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
18602
18603 \def\endbidi@tabular@RTLcases{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
18604   \egroup\right\rbrace $\egroup
18605   \@RTLtabfalse}
18606 }
18607 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
18608   \ialign{##\hfil$&\quad{##}\hfil\crrc#1\crrc}}\,\right\}}
18609 \renewenvironment{RTLcases}{%
18610   \bidi@matrix@check\RTLcases\env@RTLcases
18611 }{%
18612   \endbidi@tabular@RTLcases%
18613 }
18614 \def\env@RTLcases{%

```



```

18615 \let@ifnextchar\bidi@new@ifnextchar
18616 \def\arraystretch{1.2}%
18617 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}}%
18618 }
18619 \def\SepMark#1{\gdef\SepMark{#1}}
18620 \SepMark{.}
18621 \def\@thmcountersep{\@SepMark}
18622 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
18623 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
18624 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
18625 \def\list#1#2{%
18626   \ifnum \@listdepth >5\relax
18627     \@toodeep
18628   \else
18629     \global\advance\@listdepth\@ne
18630   \fi
18631   \rightmargin\z@
18632   \listparindent\z@
18633   \itemindent\z@
18634   \csname @list\romannumeral\the\@listdepth\endcsname
18635   \def\@itemlabel{#1}%
18636   \let\makelabel\@mklab
18637   \@nmbrrlistfalse
18638   #2\relax
18639   \@trivlist
18640   \parskip\parsep
18641   \parindent\listparindent
18642   \advance\linewidth -\rightmargin
18643   \advance\linewidth -\leftmargin
18644   \if@bidi@list@minipage@parbox
18645     \if@RTL
18646       \advance\@totalleftmargin \leftmargin
18647     \else
18648       \advance\@totalleftmargin \rightmargin
18649     \fi
18650   \else
18651     \if@RTLtab
18652       \if@bidi@list@minipage@parbox@not@nob
18653         \if@RTL
18654           \advance\@totalleftmargin \rightmargin
18655         \else
18656           \advance\@totalleftmargin \leftmargin
18657         \fi
18658       \else
18659         \if@RTL
18660           \advance\@totalleftmargin \leftmargin
18661         \else
18662           \advance\@totalleftmargin \rightmargin
18663         \fi\fi
18664       \else

```





```

18665 \if@RTL
18666 \advance\@totalleftmargin \rightmargin
18667 \else
18668 \advance\@totalleftmargin \leftmargin
18669 \fi\fi\fi
18670 \parshape \@ne \@totalleftmargin \linewidth
18671 \ignorespaces}
18672 \long\def\@iiiparbox#1#2[#3]#4#5{%
18673 \leavevmode
18674 \@pboxswfalse
18675 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
18676 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
18677 \setlength\@tempdima{#4}%
18678 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
18679 \ifx\relax#2\else
18680 \setlength\@tempdimb{#2}%
18681 \edef\@parboxto{to\the\@tempdimb}%
18682 \fi
18683 \if#1b\vbox
18684 \else\if #1t\vtop
18685 \else\ifmmode\vcenter
18686 \else\@pboxswtrue $\vcenter
18687 \fi\fi\fi
18688 \@parboxto{\let\hss\vss\let\unhbox\unvbox
18689 \csname bm@#3\endcsname}%
18690 \if@pboxsw \m@th$\fi
18691 \@end@tempboxa}
18692 \def\bidi@lrbox#1{%
18693 \edef\reserved@a{%
18694 \endgroup
18695 \setbox#1\hbox{%
18696 \begingroup\aftergroup}%
18697 \def\noexpand\@currentvir{\@currentvir}%
18698 \def\noexpand\@currentvline{\on@line}}%
18699 \reserved@a
18700 \@endpefalse
18701 \color@begingroup
18702 \ignorespaces}
18703 \def\endbidi@lrbox{\unskip\color@endgroup}
18704 \newenvironment{LTRitems}
18705 {\par\@RTLfalse
18706 \if@bidi@list@minipage@parbox
18707 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18708 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18709 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18710 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18711 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18712 \ignorespaces}{\vskip\z@}
18713 \newenvironment{RTLitems}
18714 {\par\@RTLtrue

```



```

18715         \if@bidi@list@minipage@parbox
18716         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18717         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18718         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18719         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18720         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18721         \ignorespaces}{\vskip\z@}
18722 \newenvironment{LTRbibitems}
18723     {\par\@RTLfalse
18724     \if@bidi@list@minipage@parbox
18725     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18726     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18727     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18728     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18729     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18730     \ignorespaces}{\vskip\z@}
18731 \newenvironment{RTLbibitems}
18732     {\par\@RTLtrue
18733     \if@bidi@list@minipage@parbox
18734     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18735     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18736     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18737     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18738     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18739     \ignorespaces}{\vskip\z@}
18740 \def\raggedright{%
18741     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
18742     \leftskip\z@skip
18743     \parindent\z@\parfillskip\z@skip}
18744 \let\bidi@orig@raggedleft\raggedleft
18745 \let\bidi@orig@raggedright\raggedright
18746 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@RTLtab\b
18747 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@RTLtab\b
18748 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
18749 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
18750 \def\centerline#1{%
18751 \if@RTL\@@line{\hss\beginR#1\endR\hss}
18752 \else\@@line{\hss#1\hss}\fi}
18753 \def\leftline#1{%
18754 \if@RTL\@@line{\beginR#1\endR\hss}
18755 \else\@@line{#1\hss}\fi}
18756 \def\rightline#1{%
18757 \if@RTL\@@line{\hss\beginR#1\endR}
18758 \else\@@line{\hss#1}\fi}
18759 \let\bidi@orig@leftline\leftline
18760 \let\bidi@orig@rightline\rightline
18761 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
18762 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
18763 \def\bidirlap#1{\hb@xt@{\z@}{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
18764 \def\bidillap#1{\hb@xt@{\z@}{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}

```



```

18765 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#{1}}%
18766 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
18767 \def\narrower{%
18768 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
18769 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
18770 \def\underline#1{%
18771 \relax
18772 \ifmmode\@@underline{#1}%
18773 \else
18774 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
18775 \else
18776 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
18777 \if@compatibility
18778 \let\underline=\underline
18779 \fi
18780 \global\@RTLtabfalse
18781 \def\@tabular{\if@RTL\@RTLtabtrue\fi
18782 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
18783 $\let\@acol\@tabacol
18784 \let\@classz\@tabclassz
18785 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
18786 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18787 \egroup $\if@RTLtab\endR\fi\egroup
18788 \@RTLtabfalse}
18789 \expandafter \let \csname endtabular*\endcsname = \endtabular
18790 \def\@array[#1]#2{%
18791 \if #1t\top \else \if#1b\bottom \else \vcenter \fi\fi
18792 \bgroup
18793 \setbox\@arstrutbox\hbox{%
18794 \vrule \@height\arraystretch\ht\strutbox
18795 \@depth\arraystretch \dp\strutbox
18796 \@width\z@}%
18797 \@mkpream{#2}%
18798 \edef\@preamble{%
18799 \ialign \noexpand\@halignto
18800 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18801 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18802 \let\tabularnewline\\%
18803 \let\par\@empty
18804 \let\@sharp##%
18805 \set@typeset@protect
18806 \lineskip\z@skip\baselineskip\z@skip
18807 \ifhmode \@preamerr\z@ \@@par\fi
18808 \if@RTLtab\hbox\bgroup\beginR\if #1t\top \else \bottom \fi\bgroup\fi
18809 \@preamble}
18810 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
18811 \let\@classiv\@arrayclassiv
18812 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
18813 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
18814 \ifnum \@lastchclass=3 5 \else

```



```

18815 \z@ \if #1c\@chnum \z@ \else
18816 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
18817 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
18818 \@chclass \if #1\@ne \else
18819 \if #1@tw@ \else
18820 \if #1p3 \else \z@ \@preamerr 0\fi
18821 \fi \fi \fi \fi \fi \fi
18822 \fi}
18823 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
18824 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
18825 \def\bm@t{\unhbox\@tempboxa\hss}
18826 \def\bm@b{\hss\unhbox\@tempboxa}
18827 \def\@dottedtocline#1#2#3#4#5{%
18828 \ifnum #1>\c@tocdepth \else
18829 \vskip \z@ \@plus.2\p@
18830 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
18831 \parindent #2\relax\@afterindenttrue
18832 \interlinepenalty\@M
18833 \leavevmode
18834 \@tempdima #3\relax
18835 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
18836 {#4}\nobreak
18837 \leaders\hbox{$\m@th
18838 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
18839 mu$}\hfill
18840 \nobreak
18841 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
18842 \par}%
18843 \fi}
18844
18845
18846 \def\RTL@outputdblcol{%
18847 \if@firstcolumn
18848 \global\@firstcolumnfalse
18849 \global\setbox\@leftcolumn\copy\@outputbox
18850 \splitmaxdepth\maxdimen
18851 \vbadness\maxdimen
18852 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
18853 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
18854 \toks@ \expandafter{\topmark}%
18855 \xdef\@firstcoltopmark{\the\toks@}%
18856 \toks@ \expandafter{\splitfirstmark}%
18857 \xdef\@firstcolfirstmark{\the\toks@}%
18858 \ifx\@firstcolfirstmark\@empty
18859 \global\let\@setmarks\relax
18860 \else
18861 \gdef\@setmarks{%
18862 \let\firstmark\@firstcolfirstmark
18863 \let\topmark\@firstcoltopmark}%
18864 \fi

```



```

18865 \else
18866 \global\@firstcolumntrue
18867 \setbox\@outputbox\vbox{%
18868 \hb@xt@\textwidth{%
18869 \hskip \columnwidth
18870 \hfil
18871 {\normalcolor\vrule \@width\columnseprule}%
18872 \hfil
18873 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
18874 \hskip -\textwidth
18875 \hb@xt@\columnwidth{\box\@outputbox \hss}%
18876 \hskip \columnsep
18877 \hskip \columnwidth }}%
18878 \@combinedblfloats
18879 \@setmarks
18880 \@outputpage
18881 \begingroup
18882 \@dblfloatplacement
18883 \@startdblcolumn
18884 \@whilesw\if@colmade \fi{\@outputpage
18885 \@startdblcolumn}%
18886 \endgroup
18887 \fi}%
18888
18889 \def\LTR@outputdblcol{%
18890 \if@firstcolumn
18891 \global\@firstcolumnfalse
18892 \global\setbox\@leftcolumn\copy\@outputbox
18893 \splitmaxdepth\maxdimen
18894 \vbadness\maxdimen
18895 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
18896 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
18897 \toks@\expandafter{\topmark}%
18898 \xdef\@firstcoltopmark{\the\toks@}%
18899 \toks@\expandafter{\splitfirstmark}%
18900 \xdef\@firstcolfirstmark{\the\toks@}%
18901 \ifx\@firstcolfirstmark\@empty
18902 \global\let\@setmarks\relax
18903 \else
18904 \gdef\@setmarks{%
18905 \let\firstmark\@firstcolfirstmark
18906 \let\topmark\@firstcoltopmark}%
18907 \fi
18908 \else
18909 \global\@firstcolumntrue
18910 \setbox\@outputbox\vbox{%
18911 \hb@xt@\textwidth{%
18912 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
18913 \hfil
18914 {\normalcolor\vrule \@width\columnseprule}%

```



```

18915         \hfil
18916         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
18917     \@combinedblfloats
18918     \@setmarks
18919     \@outputpage
18920     \begingroup
18921         \@dblfloatplacement
18922         \@startdblcolumn
18923         \@whiles\if@fcolmade \fi{\@outputpage
18924         \@startdblcolumn}%
18925     \endgroup
18926 \fi}%
18927
18928
18929 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
18930 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
18931 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
18932 \def\LTRmarginpar{%
18933     \ifhmode
18934         \bsphack
18935         \@floatpenalty -\@Mii
18936     \else
18937         \@floatpenalty-\@Miii
18938     \fi
18939     \ifinner
18940         \@parmoderr
18941         \@floatpenalty\z@
18942     \else
18943         \@next\@currbox\@freelist{}{}%
18944         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18945         {\@floatpenalty\z@
18946         \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
18947     \fi
18948     \ifnextchar [\@LTRxmpar\@LTRympar}
18949 \long\def\@LTRxmpar[#1]#2{%
18950     \@LTRsavemarbox\@marbox{#1}%
18951     \@LTRsavemarbox\@currbox{#2}%
18952     \@xympar}
18953 \long\def\@LTRympar#1{%
18954     \@LTRsavemarbox\@marbox{#1}%
18955     \global\setbox\@currbox\copy\@marbox
18956     \@xympar}
18957 \long\def \@LTRsavemarbox #1#2{%
18958     \global\setbox #1%
18959     \color@vbox
18960     \vtop{%
18961         \hsize\marginparwidth
18962         \@parboxrestore
18963         \@LTRmarginparreset
18964         #2%

```



```

18965         \@minipagefalse
18966         \outer@nobreak
18967     }%
18968     \color@endbox
18969 }
18970 \def \@LTRmarginparreset {%
18971     \reset@font
18972     \normalsize
18973     \@minipagetrue
18974     \everypar{\@minipagefalse\everypar{}\beginL}%
18975 }
18976 \def\RTLmarginpar{%
18977     \ifhmode
18978         \@bsphack
18979         \@floatpenalty -\@Mii
18980     \else
18981         \@floatpenalty-\@Miii
18982     \fi
18983     \ifinner
18984         \@parmoderr
18985         \@floatpenalty\z@
18986     \else
18987         \@next\@currbox\@freelist{}\}%
18988         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18989         {\@floatpenalty\z@
18990         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
18991     \fi
18992     \@ifnextchar [\@RTLxmpar\@RTLympar}
18993 \long\def\@RTLxmpar[#1]#2{%
18994     \@RTLSavemarbox\@marbox{#1}%
18995     \@RTLSavemarbox\@currbox{#2}%
18996     \@xympar}
18997 \long\def\@RTLympar#1{%
18998     \@RTLSavemarbox\@marbox{#1}%
18999     \global\setbox\@currbox\copy\@marbox
19000     \@xympar}
19001 \long\def \@RTLSavemarbox #1#2{%
19002     \global\setbox #1%
19003         \color@vbox
19004         \vtop{%
19005             \hsize\marginparwidth
19006             \@parboxrestore
19007             \RTLmarginparreset
19008             #2%
19009             \@minipagefalse
19010             \outer@nobreak
19011             }%
19012         \color@endbox
19013 }
19014 \def \@RTLmarginparreset {%

```



```

19015         \reset@font
19016         \normalsize
19017         \@minipagetrue
19018         \everypar{\@minipagefalse\everypar{}\beginR}%
19019 }
19020 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
19021   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
19022   \if@twocolumn
19023     \if@firstcolumn \@tempcnta\m@ne \fi
19024   \else
19025     \if@mparswitch
19026       \ifodd\c@page \else\@tempcnta\m@ne \fi
19027     \fi
19028     \if@reversemargin \@tempcnta -\@tempcnta \fi
19029   \fi
19030   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
19031   \@tempdima\@mparbottom
19032   \advance\@tempdima -\@pageht
19033   \advance\@tempdima\ht\@marbox
19034   \ifdim\@tempdima >\z@
19035     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
19036   \else
19037     \@tempdima\z@
19038   \fi
19039   \global\@mparbottom\@pageht
19040   \global\advance\@mparbottom\@tempdima
19041   \global\advance\@mparbottom\dp\@marbox
19042   \global\advance\@mparbottom\marginparpush
19043   \advance\@tempdima -\ht\@marbox
19044   \global\setbox \@marbox
19045     \vbox {\vskip \@tempdima
19046       \box \@marbox}%
19047   \global \ht\@marbox \z@
19048   \global \dp\@marbox \z@
19049   \kern -\@pagedp
19050   \nointerlineskip
19051   \hb@xt@\columnwidth
19052   {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLMarginpar\beginR\else\beginL\fi
19053     \hskip\columnwidth \hskip\marginparsep
19054   \else
19055     \hskip -\marginparsep \hskip -\marginparwidth
19056   \fi
19057   \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLMarginpar\endR\else
19058   \nointerlineskip
19059   \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
19060 \long\def\@ympar#1{%
19061   \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLMarginpar
19062   \global\setbox\@currbox\copy\@marbox
19063   \@xympar}
19064 \def\setRTLMarginpar{\@RTLMarginpartrue\@LTRmarginparfalse}

```





```

19065 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
19066 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
19067 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
19068 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
19069 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
19070 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
19071 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
19072 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
19073 \fi}
19074 \def\@outputpage{%
19075 \begingroup % the \endgroup is put in by \aftergroup
19076 \let \protect \noexpand
19077 \@resetactivechars
19078 \global\let\@if@newlist\if@newlist
19079 \global\@newlistfalse
19080 \@parboxrestore
19081 \shipout \vbox{%
19082 \set@typeset@protect
19083 \aftergroup \endgroup
19084 \aftergroup \set@typeset@protect
19085 % correct? or just restore by ending
19086 % the group?
19087 \if@specialpage
19088 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
19089 \fi
19090 \if@twoside
19091 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
19092 \let\@themargin\oddsidemargin
19093 \else \let\@thehead\@evenhead
19094 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
19095 \fi
19096 \ifx\@thehead\@empty \let\@thehead\hfil \fi
19097 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
19098 \else %% not @twoside
19099 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
19100 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
19101 \fi
19102 \reset@font
19103 \normalsize
19104 \normalsfcodes
19105 \let\label\@gobble
19106 \let\index\@gobble
19107 \let\glossary\@gobble
19108 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
19109 \@begindvi
19110 \vskip \topmargin
19111 \moveright\@themargin \vbox {%
19112 \setbox\@tempboxa \vbox to\headheight{%
19113 \vfil
19114 \color@hbox

```



```

19115         \normalcolor
19116         \hb@xt@ \textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLmain
19117         \color@endbox
19118         }%
19119         \dp\@tempboxa \z@
19120         \box\@tempboxa
19121         \vskip \headsep
19122         \box\@outputbox
19123         \baselineskip \footskip
19124         \color\hbox
19125         \normalcolor
19126         \hb@xt@ \textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLmain
19127         \color@endbox
19128         }%
19129     }%
19130     \global\let\if@newlist\@if@newlist
19131     \global \colht \textheight
19132     \stepcounter{page}%
19133     \let\firstmark\botmark
19134 }
19135 \long\def\@makecaption#1#2{%
19136     \vskip\abovecaptionskip
19137     \sbox\@tempboxa{#1: #2}%
19138     \ifdim \wd\@tempboxa >\hsize
19139         \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
19140     \else
19141         \global \@minipagefalse
19142         \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
19143         \fi
19144         \vskip\belowcaptionskip}
19145 \let\@bidi@saved@eqno=\eqno
19146 \let\@bidi@saved@leqno=\leqno
19147 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
19148 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
19149 \@ifpackageloaded{amsmath}{}{}
19150 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
19151 }
19152 \input{footnote-xetex-bidi.def}
19153 \if@twocolumn
19154     \let\autofootnoterule\relax
19155     \let\leftfootnoterule\relax
19156     \let\rightfootnoterule\relax
19157     \textwidthfootnoterule
19158 \fi
19159 \if@bidi@cundefined\@idxitem{}{}%
19160 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40p}%
19161 }
19162 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
19163 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
19164 \@ifclassloaded{artikell1}{\input{artikell1-xetex-bidi.def}}{}

```



```

19165 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
19166 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
19167 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
19168 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
19169 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
19170 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
19171 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
19172 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
19173 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
19174 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{}{\input{report-xetex-bidi.def}}{}}{}
19175 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
19176 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
19177 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
19178 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
19179 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
19180 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
19181 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
19182 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
19183 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
19184 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}{}}{}
19185 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
19186 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
19187 \@ifpackageloaded{amsmath}{}{}
19188 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
19189 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
19190 }
19191 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
19192 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
19193 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
19194 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
19195 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
19196 \@ifpackagewith{algorithm2e}{algonl}{%
19197 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{Algo
19198 }{}
19199 \@ifpackagewith{algorithm2e}{algotart}{\renewcommand{\algocf@within}{part}}{}
19200 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
19201 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
19202 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
19203 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
19204 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
19205 \@ifpackageloaded{animate}{\input{animate-xetex-bidi.def}}{}
19206 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
19207 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
19208 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
19209 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
19210 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
19211 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}{}}{}
19212 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
19213 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
19214 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}

```



```

19215 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
19216 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
19217 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}
19218 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
19219 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
19220 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
19221 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
19222 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
19223 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
19224 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
19225 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
19226 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
19227 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
19228 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
19229 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
19230 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
19231 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
19232 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
19233 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
19234 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
19235 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
19236 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
19237 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
19238 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
19239 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
19240 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
19241 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
19242 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
19243 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
19244 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
19245 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
19246 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
19247 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
19248 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
19249 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
19250 \@ifpackagewith{sidecap}{innercaption}{%
19251 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
19252 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {{#1}\hspace{\sidecaptionsep}{#2}}}
19253 \renewcommand*\SC@justify@caption{%
19254 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
19255 \renewcommand*\SC@FLOAT[2]{%
19256 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {{#2}\hspace{\sidecaptionsep}{#1}}}
19257 \renewcommand*\SC@justify@caption{%
19258 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
19259 }{}
19260 \@ifpackagewith{sidecap}{rightcaption}{%
19261 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
19262 \def\SC@justify@caption{\RaggedLeft}\else%
19263 \renewcommand*\SC@FLOAT[2]{{#2}\hspace{\sidecaptionsep}{#1}}
19264 \def\SC@justify@caption{\RaggedRight}\fi%

```



```

19265 }{}
19266 \@ifpackagewith{sidecap}{leftcaption}{%
19267 \ifRTL \renewcommand*{SC@FLOAT}[2]{#{2}\hspace{\sidecaptionsep}{#1}}
19268 \def\SC@justify@caption{\RaggedRight}\else%
19269 \renewcommand*{SC@FLOAT}[2]{#{1}\hspace{\sidecaptionsep}{#2}}
19270 \def\SC@justify@caption{\RaggedLeft}\fi%
19271 }{}
19272 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
19273 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
19274 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
19275 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
19276 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
19277 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
19278 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
19279 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
19280 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
19281 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
19282 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
19283 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
19284 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
19285 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
19286 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
19287 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
19288 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
19289 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
19290 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}{\input{tocbibind-xetex-bidi.def}}{}}{}
19291 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}{}}{}
19292 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
19293 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

## 7.122 xltextra-xetex-bidi.def

```

19294 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for X
19295 \let\@XeTeX\XeTeX
19296 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
19297 \let\@XeLaTeX\XeLaTeX
19298 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

## 8 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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\# 2926, 2972, 3081, 3089	\( ..... 12698	\- ..... 10845,
\% ..... 10726	\) ..... 12699	12596, 14442, 14456
\' ..... 10846,	\, ..... 4650, 10972,	\. . 89, 298, 805, 936,
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\ / . . . . . 2001	18755, 18757, 18758	. . . . . 4388,
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