



# The bidi *Package*

Documentation for *version 20.7*

*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 20.7*

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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--2017 Vafa Khalighi
*
* 2017/01/16, v20.7
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/tex-xet/bidi/issues
*
* 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 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.

### 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  $\text{\LaTeX}$  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 senario 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 bidentu bundle

A modified version of `tufte-latex`, `bidentu` bundle, mainly for RTL typesetting, is provided. If you never used `bidentu` 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 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.

### 3.2 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 bidiftnxtra package that solves the issue of footnote in standard  $\LaTeX$ . bidiftnxtra package should be loaded after bidi package.

### 3.3 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*}
```

### 3.4 Typesetting Résumé

The `bidi` package provides `bidimoderncv`<sup>2</sup> class for typesetting resums. 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.

### 3.5 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.

### 3.6 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.

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



☞ `\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@nonlatin`

The packages should set the value of `\if@nonlatin` inside any environment that uses LTR script to false (`\@nonlatinfalse`) and inside any environment that uses RTL script to true (`\@nonlatintrue`).

## 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

<code>\LTR</code>	<code>\RTL</code>
<code>\endLTR</code>	<code>\endRTL</code>

☞ 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 XeTeX logo and in addition, it makes sure that the logo, 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\leftskip\fi#4
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 \ifRTL@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 \@makefntext{%
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     \@makefntext{%
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     \@makefntext{%
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\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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 \if@RTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
104 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
105 \def\subsubitem{\par\hangindent \if@RTL-\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 \uppercase\nonmath\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 \nx\markboth{\the\toks4
121 \nx\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@algoframe}}
168 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
169 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}%
170 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
171 \renewcommand{\@algocf@start}{%
172   \algoskip%
173   \begin{bidi@lrbox}{\algocf@algobox}%
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\;{\ifmode\@mathsemicolon\else\@endalgoln\fi}%
181 \raggedright\AlFnt{}%
182 \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{ }%
183 \@algoinsideskip%
184 % \let\@emathdisplay=\]\def\]\{\algocf@endline\@emathdisplay\nl}%
185 }%
186 \renewcommand{\@algocf@finish}{%
187 \@algoinsideskip%
188 \egroup%end of vtop which contain all the text
189 \hfill\egroup%end of hbox wich 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 \@algoskip%
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 Xe
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@ \ifRTL\righskip\else\leftskip\fi#3\relax \advance\ifRTL\righskip\else\lef
214 \ifRTL\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\right@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 \@makefntext{%
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 \@makefntext{%
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 \@makefnfntext{%
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 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@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-\ifRTL\righskip\else\leftskip\fi
308 \rlap{\vbox to\z@{\vss
309 \centerline{\normalsize\mdseries
310 \uppercase\exp{\chaptername}\enspace\thechapter}
311 \vskip 3pc}}\hskip\ifRTL\righskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34\p@ \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}[2016/09/12 v1.0 bidi adaptations for amsmath package for XeLaTeX]
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       \@xp\xdef\csname the#2\endcsname{%
336         \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
337 }
338 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@nonlatin\endR\fi}}
```

## 7.6 amstext-xetex-bidi.def

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



```

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@buildtmln{\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     \begingroup%
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@buildtmln{\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 \fi
597 \def\@tabular{%
598   \leavevmode
599   \hbox \bgroup\if@RTLtab\beginR \fi $\colsep\tabcolsep \let\d@llarbegin\beginRgroup
600                                     \let\d@llarend\endRgroup
601   \@tabarray}
602 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
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   \beginRgroup
612   \@mkpream{#2}%
613   \xdef\@preamble{\noexpand \ialign \@halignto
614     \bgroup \@arstrut \@preamble

```





```

615 \tabskip \z@ \cr}%
616 \endgroup
617 \@arrayleft
618 \if #1t\top \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\@hboxRcon
625 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
626 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamb
627 \def\array{\colsep\arraycolsep
628 \def\dollarbegin{$}\let\dollarend\dollarbegin\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 cla
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@section}
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\hsizel\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\@makefntext##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 \end{group}
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\rightskip\else\leftskip\fi\unitindent
1094      \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1095      \parfillskip\z@
1096      \@tempdima\unitindent
1097      \advance\@tempdima by \othermargin
1098      \parindent\z@
1099      \leavevmode
1100      \hbox{\hspace -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1101       \hspace 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\rightskip\fi \@pnumwidth
1111 \parfillskip -\@pnumwidth
1112 \leavevmode \bfseries
1113 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1114 \hskip -\if@RTL\rightskip\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*{\hskip\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     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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\@makefntext##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 \beginingroup
1273 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1274 \long\def\@makefntext##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@section}
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   {\section*{\refname}%
1436     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1437     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1438     \list{\@biblabel{\@arabic\c@enumiv}}%
1439       {\settowidth\labelwidth{\@biblabel{#1}}%
1440         \leftmargin\labelwidth
1441         \advance\leftmargin\labelsep
1442         \@openbib@code
1443         \usecounter{enumiv}%
1444         \let\p@enumiv\@empty
1445         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1446     \sloppy\clubpenalty4000\widowpenalty4000%
1447     \sfcode`\.\@m}
1448   {\def\@noitemerr
1449     {\@latex@warning{Empty `thebibliography' environment}}}%
1450     \endlist}
1451 \if@titlepage
1452 \renewcommand*\TitleFont{\rmfamily}

```



```

1453 \renewcommand*\maketitle{%
1454   \begin{titlepage}%
1455     \let\footnotesize\small
1456     \let\right@footnoterule\relax
1457     \let\left@footnoterule\relax
1458     \let\textwidth@footnoterule\relax
1459     \let \footnote \thanks
1460     \long\def\@makefntext##1{\parindent\z@
1461       \def\labelitemi{\textendash}\@revlabeltrue
1462       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1463     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1464     \if@compatibility\setcounter{page}{0}\fi
1465     \null\vfil
1466     \vskip 60\p@
1467     \begin{center}%
1468       \TitleFont
1469       {\LARGE \def\\{\penalty -\@M}
1470         \if@allcaps
1471           \expandafter\uc@nothanks\@title\thanks\relax
1472         \else
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 \beginingroup
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 \head@style \@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 fo
1583 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1584 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
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 \fi}

```



```

1650
1651 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1652         \or \or \@addamp \or
1653         \@acolampacol \or \@firstampfalse \@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 \@firstampfalse \@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         \dollarbegin
1692         \insert@column
1693         \dollarend\hskip\stretch{.5}%
1694         \or \dollarbegin \insert@column \dollarend \hfill
1695         \or \hfill \kern\z@ \dollarbegin \insert@column \dollarend
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          \beginngroup
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{2017/01/16}
1719 \def\bidiversion{v20.7}
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--2017 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://github.com/tex-xet/bidi/issues~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 \edef\@bidi@strip@v@bidiversion{\expandafter\@gobble\bidiversion}
1749 \newcommand*\@IfbidiPackageVersionLater}[1]{%
1750   \ifdim\@bidi@strip@v@bidiversion pt > #1 pt %
1751     \expandafter\@firstoftwo
1752   \else
1753     \expandafter\@secondoftwo
1754   \fi}
1755 \newcommand*\@IfbidiPackageVersionBefore}[1]{%
1756   \ifdim\@bidi@strip@v@bidiversion pt < #1 pt %
1757     \expandafter\@firstoftwo
1758   \else
1759     \expandafter\@secondoftwo
1760   \fi}
1761 \newcommand*\@IfbidiPackageVersion}[1]{%
1762   \ifdim\@bidi@strip@v@bidiversion pt = #1 pt %
1763     \expandafter\@firstoftwo
1764   \else
1765     \expandafter\@secondoftwo
1766   \fi}
1767 \RequirePackage{iftex}
1768 \RequireXeTeX
1769 \RequirePackage{biditools}
1770 \RequirePackage{zref-abspage}
1771 \RequirePackage{auxhook}
1772 \RequirePackage{ltxcmds}
1773 \RequirePackage{xkeyval}
1774 \eqnewif{\if@RTLmain}{\if@rlmain}
1775 \eqnewif{\if@RTL}{\if@rl}
1776 \newif\if@nonlatin
1777 \newcommand*\@setlatin{\@nonlatinfalse}
1778 \newcommand*\@setnonlatin{\@nonlatintrue}
1779 \eqnewif{\if@RTLtab}{\if@tab@rl}
1780 \newif\if@hboxRconstruct
1781 \newcommand*\@setRTLtable{\@RTLtabtrue}
1782 \newcommand*\@setLTRtable{\@RTLtabfalse}
1783 \newif\if@RTLmarginpar
1784 \newif\if@LTRmarginpar
1785 \newif\if@LTRbibitems
1786 \newif\if@RTLbibitems
1787 \newif\if@extrafootnotefeatures
1788 \newif\if@parafootRTL
1789 \newif\if@RTLcolumnfootnotes
1790 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1791 \newif\if@bidi@list@minipage@parbox
1792 \newif\if@bidi@list@minipage@parbox@not@nob
1793 \@RTLmainfalse
1794 \AtBeginDocument{%
1795   \if@RTLmain\else
1796     \if@RTL\@RTLmaintrue%

```





```

1797     \else\@RTLmainfalse%
1798     \fi%
1799 \fi%
1800 }
1801 \let\n@xt=\
1802 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1803 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1804 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1805 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1806 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1807   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1808 \input{latex-xetex-bidi.def}
1809 \input{loadingorder-xetex-bidi.def}
1810 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1811   \ifcase\bidi@tempb\relax
1812     \@RTLtrue
1813   \or
1814     \@RTLfalse
1815   \fi}
1816 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1817   \ifcase\bidi@tempb\relax
1818     \@RTLtrue
1819   \or
1820     \@RTLfalse
1821   \fi}
1822 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{
1823   \ifcase\bidi@tempb\relax
1824     \@RTLtabtrue
1825   \or
1826     \@RTLtabfalse
1827   \fi}
1828 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1829   \ifcase\bidi@tempb\relax
1830     \@nonlatinfalse
1831   \or
1832     \@nonlatintrue
1833   \fi}
1834 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1835   \ifcase\bidi@tempb\relax
1836     \@RTLtrue
1837   \or
1838     \@RTLfalse
1839   \fi}
1840 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1841   \ifcase\bidi@tempb\relax
1842     \autofootnoterule
1843   \or
1844     \leftfootnoterule
1845   \or
1846     \rightfootnoterule

```



```

1847 \or
1848 \SplitFootnoteRule
1849 \or
1850 \textwidthfootnoterule
1851 \fi}
1852 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1853 \ifcase\bidi@tempb\relax
1854 \@RTL@footnotetrue
1855 \or
1856 \@RTL@footnotefalse
1857 \fi}
1858 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1859 \ifcase\bidi@tempb\relax
1860 \footdir@debugtrue
1861 \or
1862 \footdir@debugfalse
1863 \fi}
1864 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1865 \ifcase\bidi@tempb\relax
1866 \@extrafootnotefeaturestrue
1867 \or
1868 \@extrafootnotefeaturesfalse
1869 \fi}
1870
1871 \ProcessOptionsX
1872
1873 \if@extrafootnotefeatures
1874 \input{extrafootnotefeatures-xetex-bidi.def}
1875 \fi
1876 \newcount\bidi@digits
1877 \XeTeXinterchartokenstate=\@ne
1878 \newXeTeXintercharclass\bidi@digits@charclass
1879 \newXeTeXintercharclass\bidi@dot@charclass
1880 \newXeTeXintercharclass\bidi@dash@charclass
1881 \XeTeXcharclass`\.\bidi@dot@charclass
1882 \XeTeXcharclass`\-\bidi@dash@charclass
1883 \bidi@digits=\0\loop\XeTeXcharclass\bidi@digits\bidi@digits@charclass\ifnum\bidi@digits<
1884 \bidi@digits=\ \loop\XeTeXcharclass\bidi@digits\bidi@digits@charclass\ifnum\bidi@digits<
1885 \XeTeXinterchartoks\bidi@digits@charclass\bidi@dot@charclass={\DigitsDotDashInterCharToks}
1886 \XeTeXinterchartoks\bidi@dot@charclass\bidi@digits@charclass={\DigitsDotDashInterCharToks}
1887 \XeTeXinterchartoks\bidi@digits@charclass\bidi@dash@charclass={\DigitsDotDashInterCharToks}
1888 \XeTeXinterchartoks\bidi@dash@charclass\bidi@digits@charclass={\DigitsDotDashInterCharToks}
1889 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F\fi}

```

## 7.16 bidi.tex

```

1890 \def\bidiidate{2015/10/16}
1891 \def\bidiersion{v0.3}
1892 \catcode`\@=11
1893 \let\protect\relax

```



```

1894 \newlinechar`^^J
1895 \edef\@bidi@info{*****^^J%
1896 * ^^J%
1897 * bidi package (Bidirectional typesetting in^^J%
1898 * plain TeX and LaTeX, using XeTeX engine)^^J%
1899 * ^^J%
1900 * Description: A convenient interface for^^J%
1901 * typesetting bidirectional texts in plain TeX^^J%
1902 * and LaTeX. The package includes adaptations^^J%
1903 * for use with many other commonly-used packages.^^J%
1904 * ^^J%
1905 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1906 * ^^J%
1907 * \bididate, \bidiversion^^J%
1908 * ^^J%
1909 * License: LaTeX Project Public License, version^^J%
1910 * 1.3c or higher (your choice)^^J%
1911 * ^^J%
1912 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1913 * ^^J%
1914 * Issue tracker: https://github.com/tex-xetex/bidi/issues^^J%
1915 * ^^J%
1916 * Support: persian-tex@tug.org^^J%
1917 *****}
1918 \message{\@bidi@info}
1919 \edef\bidi@everyjob{\the\everyjob}
1920 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1921 \input iftex.sty
1922 \RequireXeTeX
1923 \newif\if@RTLmain
1924 \newif\if@RTL
1925 \newif\if@hboxRconstruct
1926 \newif\if@sentsdir
1927 \newif\if@RTL@footnote
1928 \@RTLmainfalse
1929 \def\setRTLmain{%
1930   \if@RTLmain\else
1931     \if@RTL\@RTLmaintrue%
1932     \else\@RTLmainfalse%
1933   \fi%
1934   \fi%
1935 }
1936 \let\n@xt=\
1937 \protected\def\LRE{\protect\pLRE}%
1938 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1939 \protected\def\RLE{\protect\pRLE}
1940 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1941 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1942   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1943 \input plain-xetex-bidi.def

```



```
1944 \catcode\@=12
```

## 7.17 bidi2in1.sty

```
1945 \NeedsTeXFormat{LaTeX2e}
1946 \ProvidesPackage{bidi2in1}
1947 \pagestyle{plain}
1948 \newcount\evenpage
1949 \newcount\oddpag
1950 \twocolumn
1951 \def\@oddfoot{\evenpage=\thepage%
1952 \multiply\evenpage by 2%
1953 \oddpag=\the\evenpage%
1954 \advance\oddpag by -1%
1955 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
1956 \def\@evenfoot{\evenpage=\thepage%
1957 \multiply\evenpage by 2%
1958 \oddpag=\the\evenpage%
1959 \advance\oddpag by -1%
1960 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
1961 \textwidth 9.49in
1962 \textheight 6.7in
1963 \columnsep 0.9in
1964 \columnseprule 0.125pt
1965 \headheight 0cm
1966 \topmargin 0in
1967 \marginparwidth 0in
1968 \marginparsep 0in
1969 \hoffset 0.05in % Corrected
1970 \voffset -0.5in %top margin space is 1.0in by default
1971 \oddsidemargin 0in
1972 \evensidemargin 0in
1973 \headsep 0cm
1974 \topskip 0cm
1975 \parskip 0.15in %
1976 \headsep 0pt
1977 \special{papersize=11.69in,8.26in}
1978 \renewcommand\maketitle{\par
1979 \begingroup
1980 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1981 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1982 \long\def\@makefntext##1{\parindent 1em\noindent
1983 \hb@xt@1.8em{%
1984 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1985 \@maketitle
1986 \@thanks
1987 \endgroup
1988 \setcounter{footnote}{0}%
1989 \global\let\thanks\relax
1990 \global\let\maketitle\relax
```



```

1991 \global\let\@maketitle\relax
1992 \global\let\@thanks\@empty
1993 \global\let\@author\@empty
1994 \global\let\@date\@empty
1995 \global\let\@title\@empty
1996 \global\let\title\relax
1997 \global\let\author\relax
1998 \global\let\date\relax
1999 \global\let\and\relax
2000 }

```

## 7.18 bidicode.sty

```

2001 \NeedsTeXFormat{LaTeX2e}
2002 \ProvidesPackage{bidicode}
2003 \RequirePackage{xcolor}
2004 \RequirePackage{showexpl}
2005 \definecolor{hellgelb}{rgb}{1,1,0.85}
2006 \definecolor{colKeys}{rgb}{0,0,1}
2007 \definecolor{colIdentifier}{rgb}{0,0,0}
2008 \definecolor{colComments}{rgb}{1,0,0}
2009 \definecolor{colString}{rgb}{0,0.5,0}
2010 \lstset{
2011     language=[LaTeX]TEX,
2012     float=hb,
2013     basicstyle=\ttfamily\small,
2014     identifierstyle=\color{colIdentifier},
2015     keywordstyle=\color{colKeys},
2016     stringstyle=\color{colString},
2017     commentstyle=\color{colComments},
2018     columns=flexible,
2019     tabsize=4,
2020     gobble =1,
2021     extendedchars=true,
2022     showspaces=false,
2023     showstringspaces=false,
2024     numbers=left,
2025     numbersep=0.9em,
2026     numberstyle=\tiny, %
2027     frame=single,
2028     captionpos=b,
2029     xleftmargin=1em,
2030     breaklines=true,
2031     breakautoindent=false,
2032     breakindent=0pt,
2033     escapeinside=**,
2034     pos=r,
2035     explpreset={%
2036     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2037     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}

```



```

2038 }
2039 \newcommand\HLON{%
2040   \gdef\lst@alloverstyle##1{%
2041     \fboxrule=0pt
2042     \fboxsep=0pt
2043     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2044   }}
2045 \newcommand\HLOFF{%
2046   \xdef\lst@alloverstyle##1{##1}%
2047 }
2048 \newcommand\Larg [1]{\{\normalfont\itshape#1/\}}
2049 \newcommand\Larga[1]{\$\angle$\Larg{#1}$\rangle$}
2050 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2051 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2052 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2053 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{ }begin\lcb#1\rcb}}
2054 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{ }end\lcb#1\rcb}}
2055
2056 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2057 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
2058 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`}}
2059 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
2060 \DeclareRobustCommand\rsb{\normalfont\ttfamily[]}}
2061 \DeclareRobustCommand\lrb{\normalfont\ttfamily{}}
2062 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}}
2063
2064 \def\Lcs#1{\nxLcs{#1}}
2065 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2066 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2067
2068 \def\Coordx#1{$_{#1}$}
2069 \def\Coordy#1{$_{#1}$}
2070 \def\Coordz#1{$_{#1}$}
2071 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2072 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2073 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2074 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
2075 \def\CIIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
2076 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2077 \def\coordin{(\Coordx{n},\kern 1pt\Coordy{n})}
2078 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2079 \def\coordx#1{($_{#1}$)}
2080 \def\coordy#1{($_{#1}$)}
2081 \def\coordz#1{($_{#1}$)}
2082 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
2083 \def\ciiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
2084
2085 \newsavebox{\boxdef}
2086 \newenvironment{BDef}
2087   {\begin{lrbox}\boxdef

```



```

2088     \def\arraystretch{1.0}
2089     \begin{tabular}{@{}l@{}l@{}l@{}}
2090   }
2091   {\end{tabular}\end{lrbox}
2092
2093   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2094   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2095   }
2096
2097 \newenvironment{BDef*}
2098   {\begin{lrbox}\boxdef
2099     \def\arraystretch{1.0}
2100     \begin{tabular}{@{}l@{}l@{}l@{}}
2101   }
2102   {\end{tabular}\end{lrbox}
2103   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2104   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2105   }
2106 \newenvironment{BCmd}{
2107   \@beginparpenalty-\@lowpenalty
2108   \topsep\BDefaboveskip
2109   \fbboxsep3pt
2110   \flushleft}
2111   {\@endparpenalty\@M
2112   \@topsepadd\BDefbelowskip
2113   \endflushleft}
2114
2115 \newenvironment{BCmd*}{
2116   \@beginparpenalty\@M
2117   \topsep\BDefinlineskip
2118   \fbboxsep3pt
2119   \flushleft}
2120   {\@endparpenalty5000
2121   \endflushleft}
2122
2123 \newskip\BDefaboveskip
2124 \newskip\BDefbelowskip
2125 \newskip\BDefinlineskip
2126 \setlength\BDefaboveskip{10pt plus 4pt}
2127 \setlength\BDefbelowskip{6pt}
2128 \setlength\BDefinlineskip{6pt}
2129
2130 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2131 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2132 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2133 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

## 7.19 bidi<sub>tn</sub>xtra.sty

```

2134 \NeedsTeXFormat{LaTeX2e}

```



```

2135 \ProvidesPackage{bidiftnxtra}
2136 \newtoks\bidip@ftn
2137 \let\FN@sffootnote\footnote
2138 \let\FN@sffootnote\LTRfootnote
2139 \let\FN@sffootnote\RTLfootnote
2140 \def\footnote{\ifx\protect\@typeset@protect
2141   \expandafter\FN@sffootnote
2142   \else
2143   \expandafter\FN@sfgobble@opt
2144   \fi
2145 }
2146 \def\LTRfootnote{\ifx\protect\@typeset@protect
2147   \expandafter\FN@sffootnote
2148   \else
2149   \expandafter\FN@sfgobble@opt
2150   \fi
2151 }
2152 \def\RTLfootnote{\ifx\protect\@typeset@protect
2153   \expandafter\FN@sffootnote
2154   \else
2155   \expandafter\FN@sfgobble@opt
2156   \fi
2157 }
2158 \edef\FN@sfgobble@opt{\noexpand\protect
2159   \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
2160 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
2161   \@ifnextchar[%]
2162     \FN@sfgobble@twobrace
2163     \@gobble
2164 }
2165 \def\FN@sfgobble@twobrace[#1]#2{}
2166 \let\FN@sffootnotemark\footnotemark
2167 \def\footnotemark{\ifx\protect\@typeset@protect
2168   \expandafter\FN@sffootnotemark
2169   \else
2170   \expandafter\FN@sfgobble@optonly
2171   \fi
2172 }
2173 \edef\FN@sfgobble@optonly{\noexpand\protect
2174   \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2175 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
2176   \@ifnextchar[%]
2177     \FN@sfgobble@brace
2178     {}%
2179 }
2180 \def\FN@sfgobble@brace[#1]{}
2181 \def\@tabular{%
2182   \leavevmode \hbox \bgroup
2183   \let\@footnotetext\bidip@ftntext
2184   \let\@LTRfootnotetext\bidip@LTRftntext

```





```

2185 \let\@RTLfootnotetext\bidip@RTLftntext
2186 \let\@xfootnotenext\bidip@xftntext
2187 \let\@xfootnote\bidip@xfootnote
2188 \let\@xLTRfootnotenext\bidip@xLTRftntext
2189 \let\@xLTRfootnote\bidip@xLTRfootnote
2190 \let\@xRTLfootnotenext\bidip@xRTLftntext
2191 \let\@xRTLfootnote\bidip@xRTLfootnote
2192 \if@RTLtab\beginR \fi
2193 $\let\@acol\@tabacol
2194 \let\@classz\@tabclassz
2195 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2196 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
2197 \egroup $\if@RTLtab\endR\fi\egroup
2198 \ifx\@capttype\@undefined
2199 \global\bidip@p@ftn\expandafter{\expandafter}\the\bidip@p@ftn\fi}
2200 \long\def\bidip@p@ftntext#1{%
2201 \edef\@tempy{\the\bidip@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2202 \global\bidip@p@ftn\expandafter{\@tempy{#1}}}%
2203 \long\def\bidip@p@LTRftntext#1{%
2204 \edef\@tempyi{\the\bidip@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2205 \global\bidip@p@ftn\expandafter{\@tempyi{#1}}}%
2206 \long\def\bidip@p@RTLftntext#1{%
2207 \edef\@tempyii{\the\bidip@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2208 \global\bidip@p@ftn\expandafter{\@tempyii{#1}}}%
2209
2210
2211 \long\def\bidip@p@xftntext[#1]#2{%
2212 \global\bidip@p@ftn\expandafter{\the\bidip@p@ftn\footnotetext[#1]{#2}}}
2213
2214 \long\def\bidip@p@xLTRftntext[#1]#2{%
2215 \global\bidip@p@ftn\expandafter{\the\bidip@p@ftn\LTRfootnotetext[#1]{#2}}}
2216
2217 \long\def\bidip@p@xRTLftntext[#1]#2{%
2218 \global\bidip@p@ftn\expandafter{\the\bidip@p@ftn\RTLfootnotetext[#1]{#2}}}
2219
2220
2221 \def\bidip@p@xfootnote[#1]{%
2222 \begingroup
2223 \csname c@\@mpfn\endcsname #1\relax
2224 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2225 \endgroup
2226 \@footnotemark\bidip@p@xftntext[#1]}
2227
2228
2229 \def\bidip@p@xLTRfootnote[#1]{%
2230 \begingroup
2231 \csname c@\@mpfn\endcsname #1\relax
2232 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2233 \endgroup
2234 \@footnotemark\bidip@p@xLTRftntext[#1]}

```



```

2235
2236
2237 \def\bidi@p@xRTLfootnote[#1]{%
2238   \beginingroup
2239     \csname c@%mpfn\endcsname #1\relax
2240     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2241   \endgroup
2242   \@footnotemark\bidi@p@xRTLftntext[#1]}
2243
2244 \def\@xfloat #1[#2]{%
2245   \@nodocument
2246   \def \@captype {#1}%
2247   \def \@fps {#2}%
2248   \@onelevel@sanitize \@fps
2249   \def \reserved@a {!}%
2250   \ifx \reserved@a \@fps
2251     \@fpsadddefault
2252   \else
2253     \ifx \@fps \@empty
2254       \@fpsadddefault
2255     \fi
2256   \fi
2257   \ifhmode
2258     \@bsphack
2259     \@floatpenalty -\@Mii
2260   \else
2261     \@floatpenalty-\@Miii
2262   \fi
2263   \ifinner
2264     \@parmoderr\@floatpenalty\z@
2265   \else
2266     \@next\@currbox\@freelist
2267     {%
2268       \@tempcnta \sixt@@n
2269       \expandafter \@tfor \expandafter \reserved@a
2270       \expandafter :\expandafter =\@fps
2271       \do
2272       {%
2273         \if \reserved@a h%
2274           \ifodd \@tempcnta
2275           \else
2276             \advance \@tempcnta \@ne
2277           \fi
2278         \fi
2279         \if \reserved@a t%
2280           \@setfpsbit \tw@
2281         \fi
2282         \if \reserved@a b%
2283           \@setfpsbit 4%
2284         \fi

```



```

2285         \if \reserved@a p%
2286         \setfpsbit 8%
2287         \fi
2288         \if \reserved@a !%
2289         \ifnum \@tempcnta>15
2290         \advance\@tempcnta -\sixt@@n\relax
2291         \fi
2292         \fi
2293         }%
2294         \@tempcntb \csname ftype@\@capytype \endcsname
2295         \multiply \@tempcntb \@xxxii
2296         \advance \@tempcnta \@tempcntb
2297         \global \count\@currbox \@tempcnta
2298         }%
2299     \@fltovf
2300 \fi
2301 \global \setbox\@currbox
2302 \color@vbox
2303 \normalcolor
2304 \vbox \bgroup
2305 \let\@footnotetext\bidip@ftntext
2306 \let\@LTrfootnotetext\bidip@LTrftntext
2307 \let\@RTLfootnotetext\bidip@RTLftntext
2308 \let\@xfootnotenext\bidip@xftntext
2309 \let\@xfootnote\bidip@xfootnote
2310 \let\@xLTrfootnotenext\bidip@xLTrftntext
2311 \let\@xLTrfootnote\bidip@xLTrfootnote
2312 \let\@xRTLfootnotenext\bidip@xRTLftntext
2313 \let\@xRTLfootnote\bidip@xRTLfootnote
2314 \hsize\columnwidth
2315 \@parboxrestore
2316 \@floatboxreset
2317 }
2318 \def \endfloatbox{%
2319     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2320     \@minipagefalse
2321     \outer@nobreak
2322     \egroup                %% end of vbox
2323     \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
2324     \color@endbox
2325 }

```

## 7.20 bidimoderncv.cls

```

2326 \NeedsTeXFormat{LaTeX2e}
2327 \ProvidesClass{bidimoderncv}
2328 \newif\if@DEBUG\@DEBUGfalse
2329 \DeclareOption{a4paper}{
2330     \setlength\paperheight{297mm}
2331     \setlength\paperwidth{210mm}}

```



```

2332 \DeclareOption{a5paper}{
2333   \setlength\paperheight{210mm}
2334   \setlength\paperwidth{148mm}}
2335 \DeclareOption{b5paper}{
2336   \setlength\paperheight{250mm}
2337   \setlength\paperwidth{176mm}}
2338 \DeclareOption{letterpaper}{
2339   \setlength\paperheight{11in}
2340   \setlength\paperwidth{8.5in}}
2341 \DeclareOption{legalpaper}{
2342   \setlength\paperheight{14in}
2343   \setlength\paperwidth{8.5in}}
2344 \DeclareOption{executivepaper}{
2345   \setlength\paperheight{10.5in}
2346   \setlength\paperwidth{7.25in}}
2347 \DeclareOption{landscape}{
2348   \setlength\@tempdima{\paperheight}
2349   \setlength\paperheight{\paperwidth}
2350   \setlength\paperwidth{\@tempdima}}
2351 \newcommand\@ptsize{}
2352 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2353 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2354 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2355 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2356 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2357 \newif\if@colour\@colourtrue
2358 \DeclareOption{nocolour}{\@colourfalse}
2359 \ExecuteOptions{a4paper,11pt,colour,final}
2360 \ProcessOptions\relax
2361 \input{size1\@ptsize.clo}
2362 \RequirePackage{color}
2363 \RequirePackage{graphicx}
2364 \RequirePackage{ifthen}
2365 \RequirePackage{marvosym}
2366 \addtolength{\oddsidemargin}{-54pt}
2367 \addtolength{\textwidth}{109pt}
2368 \addtolength{\topmargin}{-70pt}
2369 \addtolength{\textheight}{122pt}
2370 \addtolength{\marginparsep}{-5pt}
2371 \addtolength{\marginparwidth}{-10pt}
2372 \RequirePackage{url}
2373 \RequirePackage{hyperref}
2374 \hypersetup{
2375   breaklinks,
2376   baseurl      = http://,%
2377   pdfborder    = 0 0 0,%
2378   pdfpagemode  = UseNone,%
2379   pdfstartpage = 1}
2380 \AtEndOfClass{
2381   \AtBeginDocument{

```



```

2382 \hypersetup{%
2383     pdfauthor      = \@firstname~\@familyname,%
2384     pdftitle       = \@title,%
2385     pdfsubject     = \@firstname~\@familyname,%
2386     pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2387 \urlstyle{tt}
2388 \RequirePackage{fancyhdr}
2389 \fancypagestyle{plain}{%
2390     \renewcommand{\headrulewidth}{0pt}
2391     \renewcommand{\footrulewidth}{0pt}
2392     \fancyhf{}}
2393 \pagestyle{plain}
2394 \setlength\lineskip{1\p@}
2395 \setlength\normallineskip{1\p@}
2396 \renewcommand\baselinestretch{}
2397 \setlength{\parindent}{0pt}
2398 \setlength{\parskip}{0pt}
2399 \setlength\columnsep{10\p@}
2400 \setlength\columnseprule{0\p@}
2401 \pagestyle{empty}
2402 \pagenumbering{arabic}
2403 \raggedbottom
2404 \onecolumn
2405 \providecommand*\listitemsymbol{\textbullet}
2406 \providecommand*\addresssymbol{}
2407 \providecommand*\mobilesymbol{\Mobilefone}
2408 \providecommand*\phonesymbol{\Telefon}
2409 \providecommand*\faxsymbol{\FAX}
2410 \providecommand*\emailsymbol{\Letter}
2411 \definecolor{firstnamecolour}{rgb}{0,0,0}
2412 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2413 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2414 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2415 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2416 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2417 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2418 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2419 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2420 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2421 \providecommand*\firstnamefont{}
2422 \providecommand*\familynamefont{}
2423 \providecommand*\titlefont{}
2424 \providecommand*\addressfont{}
2425 \providecommand*\quoteftfont{}
2426 \providecommand*\sectionfont{}
2427 \providecommand*\subsectionfont{}
2428 \providecommand*\hintfont{\small}
2429 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2430 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamecolour#1\}}
2431 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1\}}

```



```

2432 \providecommand*{\addresstyle}[1]{\{\addressfont\@addresscolour#1\}}
2433 \providecommand*{\quotestyle}[1]{\{\quote\font\@quotecolour#1\}}
2434 \providecommand*{\sectionstyle}[1]{\{\sectionfont\@sectiontitlecolour#1\}}
2435 \providecommand*{\subsectionstyle}[1]{\{\subsectionfont\@subsectioncolour#1\}}
2436 \providecommand*{\hintstyle}[1]{\{\hintfont\@hintcolour#1\}}
2437 \newcommand*{\cvtheme}[2][\{
2438   \def\@cvtheme{#2}
2439   \def\@cvthemeoptions{#1}\}
2440 \cvtheme{bidi-casual}
2441 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2442 \newcommand*{\resumename}[1]{\def\@resumename{#1}}
2443 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
2444 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2445 \renewcommand*{\title}[1]{\def\@title{#1}}
2446 \newcommand*{\address}[1]{\def\@address{#1}}
2447 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
2448 \newcommand*{\phone}[1]{\def\@phone{#1}}
2449 \renewcommand*{\fax}[1]{\def\@fax{#1}}
2450 \newcommand*{\email}[1]{\def\@email{#1}}
2451 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
2452 \def\@photowidth{0pt}
2453 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2454 \newcommand*{\quote}[1]{\def\@quote{#1}}
2455 \newlength{\quotewidth}
2456 \newlength{\hintscolumnwidth}
2457 \newlength{\separatorcolumnwidth}
2458 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2459 \newlength{\maincolumnwidth}
2460 \newlength{\doubleitemmaincolumnwidth}
2461 \newlength{\listitemsymbolwidth}
2462 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2463 \newlength{\listitemmaincolumnwidth}
2464 \newlength{\listdoubleitemmaincolumnwidth}
2465 \newcommand*{\recomputethemelengths}{\{
2466 \newcommand*{\recomputelengths}{\{
2467 \setlength{\quotewidth}{0.65\textwidth}%
2468 \setlength{\maincolumnwidth}{\textwidth}%
2469 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2470 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2471 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2472 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2473 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2474 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2475 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2476 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2477 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2478 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2479 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2480 \renewcommand{\headwidth}{\textwidth}%
2481 \recomputethemelengths}

```



```

2482 \setlength{\hintscolumnwidth}{0.15\textwidth}
2483 \recomputelengths
2484 \title{}
2485 \renewcommand*{\maketitle}{}
2486 \newcommand*{\section}[1]{%
2487 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2488 \phantomsection}%
2489 \addcontentsline{toc}{part}{#1}%
2490 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\section{#1}}}%
2491 \hspace{\separatorcolumnwidth}%
2492 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]]
2493 \newcommand*{\subsection}[1]{%
2494 \cvline[0.45em]{\subsectionstyle{#1}}%
2495 \newcommand*{\cvline}[3][.25em]{%
2496 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{\hspace{\separatorcolumnwidth}}@{}%
2497 \bidi@raggedleft\hintfont{#2} &{#3}%
2498 \end{tabular}}\[\[1ex]]
2499 \newcommand*{\cvdoubleitem}[4]{%
2500 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2501 \hfill%
2502 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2503 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2504 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}%
2505 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2506 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2507 \hfill%
2508 \ifthenelse{\equal{#3}{}}{}%
2509 {}%
2510 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2511 \newcommand*{\cventry}[6]{%
2512 \cvline{#1}{%
2513 {\bfseries#2}%
2514 \ifx#3\else{, {\slshape#3}}\fi%
2515 \ifx#4\else{, #4}\fi%
2516 \ifx#5\else{, #5}\fi%
2517 .}%
2518 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi%
2519 }%
2520 \newcommand*{\cvlanguage}[3]{%
2521 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\text{#3}\end{minipage}}%
2522 \newcommand*{\cvcomputer}[4]{%
2523 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2524 \newcommand*{\link}[2][\link]{%
2525 \ifthenelse{\equal{#1}{}}{}%
2526 {\href{#2}{#2}}%
2527 {\href{#2}{#1}}%
2528 \newcommand*{\httplink}[2][\httplink]{%
2529 \ifthenelse{\equal{#1}{}}{}%
2530 {\href{http://#2}{#2}}%
2531 {\href{http://#2}{#1}}

```



```

2532 \newcommand*{\emaillink}[2][{}]{%
2533   \ifthenelse{\equal{#1}{}}{%
2534     {\href{mailto:#2}{#2}}%
2535     {\href{mailto:#2}{#1}}}
2536 \newif\if@displaypagenumbers\@displaypagenumberstrue
2537 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2538 \AtBeginDocument{%
2539   \if@displaypagenumbers%
2540     \ifundefined{r@lastpage}{\fi}%
2541     \ifthenelse{\pageref{lastpage} > 1}{%
2542       \fancypagestyle{plain}{%
2543         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref{lastpage}}%
2544         \pagestyle{plain}}}%
2545     \AtEndDocument{\label{lastpage}}%
2546   \fi}
2547 \newlength{\bibindent}
2548 \setlength{\bibindent}{1.5em}
2549 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2550 \newenvironment{thebibliography}[1]{%
2551   {%
2552     \section{\refname}%
2553     \small%
2554     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2555     \begin{list}{\bibliographyitemlabel}%
2556       {%
2557         \setlength{\topsep}{0pt}%
2558         \setlength{\labelwidth}{\hintscolumnwidth}%
2559         \setlength{\labelsep}{\separatorcolumnwidth}%
2560         \leftmargin\labelwidth%
2561         \advance\leftmargin\labelsep%
2562         \@openbib@code%
2563         \usecounter{enumiv}%
2564         \let\p@enumiv\@empty%
2565         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2566         \sloppy\clubpenalty4000\widowpenalty4000%
2567       }%
2568     {%
2569       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2570       \end{list}%
2571     }
2572 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2573 \let\@openbib@code\@empty

```

## 7.21 biditools.sty

```

2574 \NeedsTeXFormat{LaTeX2e}
2575 \ProvidesPackage{biditools}[2016/11/30 v0.9 Programming tools for bidi package]
2576 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
2577   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2578   \ifx\@tempa\@tempb \global\let#2#1%

```





```

2579 \else
2580 \edef\@tempb{\meaning#2}%
2581 \ifx\@tempa\@tempb
2582 \else
2583 \@latex@error{Unable to properly define \string#2; primitive
2584 \noexpand#1no longer primitive}\@eha
2585 \fi
2586 \fi
2587 \endgroup}
2588 \newtoks\@bidi@envbody
2589 \newtoks\@bidi@emptytoks
2590 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2591 \def\bidi@collect@body#1{%
2592 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2593 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2594 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2595 \begingroup
2596 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@body
2597 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2598 \bidi@process@envbody
2599 }
2600 \def\bidi@push@begins#1\begin#2{%
2601 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2602 }
2603 \def\bidi@collect@@body#1\end#2{%
2604 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2605 \ifx\@empty\begin@bidi@stack
2606 \endgroup
2607 \@checkend{#2}%
2608 \bidi@addto@envbody{#1}%
2609 \else
2610 \bidi@addto@envbody{#1\end{#2}}%
2611 \fi
2612 \bidi@process@envbody % A little tricky! Note the grouping
2613 }
2614 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2615 \long\def\bidi@collect@long@body#1{%
2616 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2617 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2618 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2619 \begingroup
2620 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@body
2621 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2622 \bidi@process@envbody
2623 }
2624 \long\def\bidi@push@long@begins#1\begin#2{%
2625 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2626 }
2627 \long\def\bidi@collect@long@@body#1\end#2{%
2628 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@st

```



```

2629 \ifx\@empty\begin@bidi@stack
2630 \endgroup
2631 \@checkend{#2}%
2632 \bidi@addto@long@envbody{#1}%
2633 \else
2634 \bidi@addto@long@envbody{#1\end{#2}}%
2635 \fi
2636 \bidi@process@envbody % A little tricky! Note the grouping
2637 }
2638 \long\def\bidi@new@ifnextchar#1#2#3{%
2639 \let\reserved@d= #1%
2640 \def\reserved@a{#2}\def\reserved@b{#3}%
2641 \futurelet\@let@token\bidi@new@ifnch
2642 }
2643 \def\bidi@new@ifnch{%
2644 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2645 \reserved@b
2646 }
2647 \def\bidi@matrix@check#1{%
2648 \expandafter\ifx\csname\@currenvir\endcsname#1%
2649 \else\bidi@matrix@error#1%
2650 \expandafter\@gobble
2651 \fi
2652 }
2653 \def\bidi@matrix@error#1{%
2654 \PackageError{biditools}{%
2655 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2656 }{%
2657 '\string#1{...}' is old bidi package syntax whose use is
2658 ill-advised in the old versions of bidi package.%
2659 }%
2660 }
2661 \def\@tagsextension{clo}
2662 \def\@definitionfileextension{def}
2663 \def\@texfileextension{tex}
2664 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2665 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2666 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2667 \def\eqnewif#1#2{%
2668 \count@\escapechar \escapechar\m@ne
2669 \let#1\iffalse
2670 \let#2\iffalse
2671 \eq@if#1#2\iftrue
2672 \eq@if#1#2\iffalse
2673 \escapechar\count@}
2674 \def\eq@if#1#2#3{%
2675 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2676 \expandafter\@gobbletwo\string#3\endcsname
2677 {\let#1#3%
2678 \let#2#3}%

```



```

2679 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2680 \expandafter\@gobbletwo\string#3\endcsname
2681 {\let#2#3%
2682 \let#1#3}}
2683 \newcommand*\SetBoolean}[2]{%
2684 \lowercase{\def\@tempa{#2}}%
2685 \ifundefined{\@tempa\@tempa}%
2686 {\PackageError{biditools}%
2687 {You can only set a boolean to `true' or `false'}\@ehc}%
2688 {\ifundefined{#1\@tempa}%
2689 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2690 {\csname#1\@tempa\endcsname}}}
2691 \newcommand*\GlobalSetBoolean}[2]{%
2692 \lowercase{\def\@tempa{#2}}%
2693 \ifundefined{\@tempa\@tempa}%
2694 {\PackageError{biditools}%
2695 {You can only set a boolean to `true' or `false'}\@ehc}%
2696 {\ifundefined{#1\@tempa}%
2697 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2698 {\global\csname#1\@tempa\endcsname}}}
2699 \newcommand*\SetatBoolean}[2]{%
2700 \lowercase{\def\@tempa{#2}}%
2701 \ifundefined{\@tempa\@tempa}%
2702 {\PackageError{biditools}%
2703 {You can only set a boolean to `true' or `false'}\@ehc}%
2704 {\ifundefined{@#1\@tempa}%
2705 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2706 {\csname @#1\@tempa\endcsname}}}
2707 \newcommand*\GlobalSetatBoolean}[2]{%
2708 \lowercase{\def\@tempa{#2}}%
2709 \ifundefined{\@tempa\@tempa}%
2710 {\PackageError{biditools}%
2711 {You can only set a boolean to `true' or `false'}\@ehc}%
2712 {\ifundefined{@#1\@tempa}%
2713 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2714 {\global\csname @#1\@tempa\endcsname}}}
2715 \def\@bidi@removefromreset#1#2{%
2716 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2717 \def\@elt##1{%
2718 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2719 \else
2720 \noexpand\@elt{##1}%
2721 \fi}%
2722 \expandafter\xdef\csname cl@#2\endcsname{%
2723 \csname cl@#2\endcsname}}}
2724 \newcommand*\ifRtoL{%
2725 \if@RTL
2726 \expandafter\@firstoftwo
2727 \else
2728 \expandafter\@secondoftwo

```



```

2729 \fi}
2730 \newcommand*{\ifLtoR}{%
2731 \if@RTL
2732 \expandafter\@secondoftwo
2733 \else
2734 \expandafter\@firstoftwo
2735 \fi}
2736 \newcommand*{\ifRtoLtable}{%
2737 \if@RTLtab
2738 \expandafter\@firstoftwo
2739 \else
2740 \expandafter\@secondoftwo
2741 \fi}
2742 \newcommand*{\ifLtoRtable}{%
2743 \if@RTLtab
2744 \expandafter\@secondoftwo
2745 \else
2746 \expandafter\@firstoftwo
2747 \fi}
2748 \newcommand*{\ifRtoLhboxconstruct}{%
2749 \if@hboxRconstruct
2750 \expandafter\@firstoftwo
2751 \else
2752 \expandafter\@secondoftwo
2753 \fi}
2754 \newcommand*{\ifLtoRhboxconstruct}{%
2755 \if@hboxRconstruct
2756 \expandafter\@secondoftwo
2757 \else
2758 \expandafter\@firstoftwo
2759 \fi}
2760 \newcommand*{\iflatin}{%
2761 \if@nonlatin
2762 \expandafter\@secondoftwo
2763 \else
2764 \expandafter\@firstoftwo
2765 \fi}
2766 \newcommand*{\ifnonlatin}{%
2767 \if@nonlatin
2768 \expandafter\@firstoftwo
2769 \else
2770 \expandafter\@secondoftwo
2771 \fi}
2772
2773 \newcommand*{\if@bidi@csdef}[1]{%
2774 \ifcsname#1\endcsname
2775 \expandafter\@firstoftwo
2776 \else
2777 \expandafter\@secondoftwo
2778 \fi}

```



```

2779 \newcommand*{\if@bidi@csundef}[1]{%
2780   \ifcsname#1\endcsname
2781     \expandafter\ifx\csname#1\endcsname\relax
2782       \expandafter\expandafter
2783       \expandafter\@firstoftwo
2784     \else
2785       \expandafter\expandafter
2786       \expandafter\@secondoftwo
2787     \fi
2788   \else
2789     \expandafter\@firstoftwo
2790   \fi}
2791 \newcommand{\if@bidi@def}[1]{%
2792   \ifdefined#1%
2793     \expandafter\@firstoftwo
2794   \else
2795     \expandafter\@secondoftwo
2796   \fi}
2797 \newcommand{\if@bidi@undef}[1]{%
2798   \ifdefined#1%
2799     \ifx#1\relax
2800       \expandafter\expandafter
2801       \expandafter\@firstoftwo
2802     \else
2803       \expandafter\expandafter
2804       \expandafter\@secondoftwo
2805     \fi
2806   \else
2807     \expandafter\@firstoftwo
2808   \fi}
2809 \newcommand{\if@bidi@blank}[1]{% from url.sty
2810   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2811 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2812 \newcommand{\bidi@notblank}[1]{%
2813   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2814 \newcommand{\if@bidi@defmacro}{%
2815   \long\edef\if@bidi@defmacro#1{%
2816     \noexpand\expandafter\noexpand\bidi@ifdefmacro
2817     \noexpand\meaning#1\detokenize{macro}:&}
2818   \edef\bidi@ifdefmacro{%
2819     \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2820   \bidi@ifdefmacro{\bidi@notblank{#2}}
2821 \newcommand*{\if@bidi@csmacro}[1]{%
2822   \if@bidi@csdef{#1}
2823     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2824     {\@secondoftwo}}
2825 \newcommand{\if@bidi@defprimitive}[1]{%
2826   \ifprimitive#1%
2827     \expandafter\@firstoftwo
2828   \else

```



```

2829 \expandafter\@secondoftwo
2830 \fi}
2831 \newcommand{\if@bidi@csprimitive}[1]{%
2832 \begingroup\expandafter\expandafter\expandafter\endgroup%
2833 \expandafter\ifprimitive\csname#1\endcsname%
2834 \expandafter\@firstoftwo
2835 \else
2836 \expandafter\@secondoftwo
2837 \fi}
2838 \newcommand*{\bidi@csdefcs}[2]{%
2839 \expandafter\@ifdefinable \csname#1\endcsname{%
2840 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2841 \newcommand*{\bidi@csletcs}[2]{%
2842 \expandafter\@ifdefinable \csname#1\endcsname{%
2843 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2844 \newcommand*{\bidi@cslet}[2]{%
2845 \expandafter\@ifdefinable \csname#1\endcsname{%
2846 \expandafter\let\csname#1\endcsname#2}}
2847 \newcommand{\bidi@namelongdef}[1]{%
2848 \long\expandafter\def\csname #1\endcsname}
2849 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2850 \def\bidi@ensure@new@command#1{%
2851 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2852 \expandafter\if@bidi@csundef\@gtempa
2853 {\new@command#1}{\relax%
2854 \let\@ifdefinable\@rc@ifdefinable%
2855 \new@command#1}}
2856 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2857
2858 \protected\def\bidi@error{\PackageError{bidi}}
2859 \protected\def\bidi@warning{\PackageWarning{bidi}}
2860 \protected\def\bidi@info{\PackageInfo{bidi}}
2861
2862 \newcommand*{\bidi@newrobustcmd}{%
2863 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2864
2865 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2866
2867 \def\bidi@newcommand#1[#2]{%
2868 \@ifnextchar[%]
2869 {\bidi@xargdef#1[#2]}
2870 {\ifx\l@ngrel@x\relax
2871 \let\l@ngrel@x\protected
2872 \else
2873 \protected\def\l@ngrel@x{\protected\long}%
2874 \fi
2875 \@argdef#1[#2]}}
2876
2877 \long\def\bidi@xargdef#1[#2][#3]#4{%
2878 \@ifdefinable#1{%

```



```

2879 \expandafter\protected
2880 \expandafter\def
2881 \expandafter#1%
2882 \expandafter{%
2883 \expandafter\@testopt
2884 \csname\string#1\endcsname{#3}}%
2885 \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}{#4}}}
2886
2887 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2888
2889 \def\bidi@renew@command#1{%
2890 \if@bidi@undef{#1}
2891 {\bidi@error{\string#1 undefined}\@ehc}
2892 }%
2893 \let\@ifdefinable\@rc@ifdefinable
2894 \bidi@new@command#1}
2895
2896
2897
2898 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2899
2900 \def\bidi@provide@command#1{%
2901 \if@bidi@undef{#1}
2902 {\def\reserved@a{\bidi@new@command#1}}
2903 {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2904 \reserved@a}
2905
2906 \newcommand*{\bidi@csuse}[1]{%
2907 \ifcsname#1\endcsname
2908 \csname#1\expandafter\endcsname
2909 \fi}
2910
2911 \newcommand{\bidi@expandonce}[1]{%
2912 \unexpanded\expandafter{#1}}
2913
2914 \def\bidi@protected{%
2915 \let\@@protect\protect
2916 \let\protect\@unexpandable@protect
2917 \afterassignment\restore@protect}
2918
2919 \bidi@newrobustcmd{\bidi@appto}[2]{%
2920 \if@bidi@undef{#1}
2921 {\edef#1{\unexpanded{#2}}}
2922 {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2923 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2924 \if@bidi@undef{#1}
2925 {\edef#1{#2}}
2926 {\edef#1{\bidi@expandonce#1#2}}}
2927 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2928 \if@bidi@undef{#1}

```



```

2929     {\xdef#1{\unexpanded{#2}}}}
2930     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2931 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2932   \if@bidi@undef{#1}
2933     {\xdef#1{#2}}
2934     {\xdef#1{\bidi@expandonce#1#2}}}}
2935
2936 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2937 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2938
2939
2940
2941 \bidi@newrobustcmd{\bidi@preto}[2]{%
2942   \if@bidi@undef{#1}
2943     {\edef#1{\unexpanded{#2}}}}
2944     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
2945 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2946   \if@bidi@undef{#1}
2947     {\edef#1{#2}}
2948     {\edef#1{#2\bidi@expandonce#1}}}}
2949 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2950   \if@bidi@undef{#1}
2951     {\xdef#1{\unexpanded{#2}}}}
2952     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
2953 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2954   \if@bidi@undef{#1}
2955     {\xdef#1{#2}}
2956     {\xdef#1{#2\bidi@expandonce#1}}}}
2957
2958 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2959 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2960
2961
2962
2963 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2964 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2965 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2966 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2967 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2968 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2969
2970
2971
2972 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2973 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2974 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2975 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2976 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2977 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2978

```





```

2979
2980
2981 \bidi@newrobustcmd{\if@bidi@patchable}{%
2982   \bidi@dbg@trce\if@bidi@patchable
2983   \begingroup
2984   \@makeoother\#%
2985   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2986
2987 \long\def\bidi@ifpatchable#1#2{%
2988   \endgroup
2989   \bidi@dbg@init#1%
2990   \if@bidi@undef{#1}
2991     {\bidi@dbg@fail{def}\@secondoftwo}
2992     {\bidi@dbg@info{def}%
2993       \if@bidi@defmacro{#1}
2994         {\bidi@dbg@info{mac}%
2995           \bidi@ifscanable{#1}
2996             {\bidi@ifhashcheck{#2}
2997               {\bidi@dbg@info{tok}%
2998                 \bidi@ifpattern#1{#2}
2999                 {\bidi@dbg@info{pat}%
3000                   \bidi@dbg@info{pos}\@firstoftwo}
3001                   {\bidi@dbg@fail{pat}\@secondoftwo}}
3002               {\bidi@dbg@fail{hsh}\@secondoftwo}}
3003               {\bidi@dbg@fail{tok}\@secondoftwo}}
3004               {\bidi@dbg@fail{mac}\@secondoftwo}}}
3005
3006 \long\def\bidi@ifpatchable@i#1{%
3007   \endgroup
3008   \bidi@dbg@init#1%
3009   \if@bidi@undef{#1}
3010     {\bidi@dbg@fail{def}\@secondoftwo}
3011     {\bidi@dbg@info{def}%
3012       \if@bidi@defmacro{#1}
3013         {\bidi@dbg@info{mac}%
3014           \if@bidi@defparam{#1}
3015             {\bidi@dbg@info{prm}%
3016               \bidi@ifscanable{#1}
3017               {\bidi@dbg@info{tok}%
3018                 \bidi@dbg@info{pos}\@firstoftwo}
3019                 {\bidi@dbg@fail{tok}\@secondoftwo}}
3020             {\bidi@dbg@info{prl}%
3021               \if@bidi@defprotected{#1}
3022               {\bidi@dbg@info{pro}}
3023               {}%
3024               \bidi@dbg@info{pos}\@firstoftwo}}
3025             {\bidi@dbg@fail{mac}\@secondoftwo}}}
3026
3027 \bidi@newrobustcmd*{\bidi@patchcmd}{%
3028   \bidi@dbg@trce\bidi@patchcmd

```



```

3029 \begingroup
3030 \@makeother\#%
3031 \bidi@@patchcmd}
3032
3033 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3034 \bidi@ifpatchable#2{#3}
3035 {\bidi@dbg@succ{ret}}%
3036 \begingroup
3037 \edef\bidi@resrvda{%
3038 \def\noexpand\bidi@resrvda#####1\detokenize{macro:}####2->####3&{%
3039 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
3040 \def\noexpand\bidi@resrvdb#####1\detokenize{#3}####2&{%
3041 #####1\detokenize{#4}####2}%
3042 \edef\noexpand\bidi@resrvda{%
3043 \noexpand\bidi@resrvda\meaning#2&}}%
3044 \bidi@resrvda
3045 \bidi@patchcmd@scantoks\bidi@resrvda
3046 \let#2\bidi@resrvda
3047 \bidi@undef\bidi@resrvda
3048 \@firstoftwo}
3049 {\@secondoftwo}}
3050
3051 \def\bidi@patchcmd@scantoks#1{%
3052 \edef\bidi@resrvda{\endgroup
3053 \unexpanded{\makeatletter\scantokens}{#1}%
3054 \catcode\number`\@=\the\catcode`\@ \relax}%
3055 \bidi@resrvda}
3056
3057 \newcommand\bidi@isloaded[2][]{
3058 \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3059 \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3060 \fi
3061 \@ifpackageloaded{#2}
3062 {\csname @bidi@#2loaded@true\endcsname #1}
3063 {\csname @bidi@#2loaded@false\endcsname}}
3064
3065 \protected\def\bidi@ifscanable#1{%
3066 \begingroup
3067 \edef\bidi@resrvda{%
3068 \def\noexpand\bidi@resrvda#####1\detokenize{macro:}####2->####3&{%
3069 #####1\def\string\bidi@resrvda####2{####3}}%
3070 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3071 \bidi@resrvda
3072 \makeatletter
3073 \scantokens\expandafter{\bidi@resrvda}%
3074 \expandafter\endgroup\ifx#1\bidi@resrvda
3075 \expandafter\@firstoftwo
3076 \else
3077 \expandafter\@secondoftwo
3078 \fi}

```



```

3079
3080
3081 \protected\long\def\bidi@ifhashcheck#1{%
3082   \begingroup
3083   \edef\bidi@resrvda{\detokenize{#1}}%
3084   \expandafter\endgroup
3085   \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3086
3087 \edef\bidi@ifhashcheck@i#1{%
3088   \noexpand\expandafter
3089   \noexpand\bidi@ifhashcheck@ii
3090   \noexpand\strip@prefix#1\string#&}
3091
3092 \edef\bidi@ifhashcheck@ii{%
3093   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
3094 \bidi@ifhashcheck@ii{\if\bidi@blank{#2}}
3095
3096
3097 \protected\long\def\bidi@ifpattern#1#2{%
3098   \begingroup
3099   \edef\bidi@resrvda{%
3100     \def\noexpand\bidi@resrvda####1\detokenize{#2}###2&{%
3101       \endgroup\noexpand\noexpand\noexpand\if\bidi@blank{####2}}%
3102     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3103       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3104     \noexpand\bidi@resrvda}
3105     \bidi@resrvda\@secondoftwo\@firstoftwo}
3106
3107
3108 \newcommand{\if\bidi@defparam}{%
3109 \long\edef\if\bidi@defparam#1{%
3110   \noexpand\expandafter\noexpand\bidi@ifdefparam
3111   \noexpand\meaning#1\detokenize{macro}:->&}
3112 \edef\bidi@ifdefparam{%
3113   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3114 \bidi@ifdefparam{\bidi@notblank{#2}}
3115
3116
3117 \newcommand{\if\bidi@defprotected}{%
3118 \long\edef\if\bidi@defprotected#1{%
3119   \noexpand\expandafter\noexpand\bidi@ifdefprotected
3120   \noexpand\meaning#1\string\protected&}
3121 \edef\bidi@ifdefprotected{%
3122   \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3123 \bidi@ifdefprotected{\bidi@notblank{#2}}
3124
3125
3126 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3127
3128 \let\bidi@dbg@trce\@gobble

```



```

3129 \let\bididbg@init\@gobble
3130 \let\bididbg@info\@gobble
3131 \let\bididbg@succ\@gobble
3132 \let\bididbg@fail\@gobble
3133
3134
3135
3136 \bididbg@newrobustcmd*{\bididbg@apptocmd}{%
3137   \bididbg@trce\bididbg@apptocmd
3138   \begingroup
3139   \@makeother\#%
3140   \bididbg@hooktocmd\bididbg@append}
3141
3142
3143
3144 \bididbg@newrobustcmd*{\bididbg@pretocmd}{%
3145   \bididbg@trce\bididbg@pretocmd
3146   \begingroup
3147   \@makeother\#%
3148   \bididbg@hooktocmd\bididbg@prepend}
3149
3150 \long\def\bididbg@hooktocmd#1#2#3{%
3151   \endgroup
3152   \bididbg@init#2%
3153   \if@bididbg@undef{#2}
3154     {\bididbg@fail{def}\@secondoftwo}
3155     {\bididbg@info{def}%
3156       \if@bididbg@defmacro{#2}
3157         {\bididbg@info{mac}%
3158           \if@bididbg@defparam{#2}
3159             {\bididbg@info{prm}%
3160               \bididbg@ifscanable{#2}
3161                 {\bididbg@ifhashcheck{#3}
3162                   {\bididbg@info{tok}%
3163                     \bididbg@succ{ret}%
3164                     \bididbg@hooktocmd@i#1#2#3}%
3165                     \@firstoftwo}
3166                   {\bididbg@fail{hsh}\@secondoftwo}}
3167                 {\bididbg@fail{tok}\@secondoftwo}}
3168             {\bididbg@info{prl}%
3169               \if@bididbg@defprotected{#2}
3170                 {\bididbg@info{pro}%
3171                   \bididbg@succ{red}%
3172                   \protected}
3173                 {\bididbg@succ{red}}}%
3174             \edef#2{#1{\bididbg@expandonce#2}{\unexpanded{#3}}}%
3175             \@firstoftwo}}
3176     {\bididbg@fail{mac}\@secondoftwo}}
3177
3178 \long\def\bididbg@hooktocmd@i#1#2#3{%

```



```

3179 \begingroup
3180 \edef\bidiresrvda{%
3181   \def\noexpand\bidiresrvda####1\detokenize{macro}:####2->####3&{%
3182     ####1\def\string\bidiresrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3183   \edef\noexpand\bidiresrvda{%
3184     \noexpand\bidiresrvda\meaning#2&}}%
3185 \bidiresrvda
3186 \bidi@patchcmd@scantoks\bidiresrvda
3187 \let#2\bidiresrvda
3188 \bidi@undef\bidiresrvda}
3189
3190 \long\def\bidii@append#1#2{#1#2}
3191 \long\def\bidii@prepend#1#2{#2#1}
3192
3193 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3194 \newcommand*{\bidi@endpreamblehook}{\}
3195
3196 \bidi@preto\document{%
3197   \endgroup
3198   \let\bidi@AtEndPreamble\@firstofone
3199   \bidi@endpreamblehook
3200   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3201   \bidi@undef\bidi@endpreamblehook
3202   \begingroup}
3203
3204 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3205 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3206
3207 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3208 \newcommand*{\bidi@afterendpreamblehook}{\}
3209
3210 \bidi@appto\document{%
3211   \let\bidi@AfterEndPreamble\@firstofone
3212   \bidi@afterendpreamblehook
3213   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3214   \bidi@undef\bidi@afterendpreamblehook
3215   \ignorespaces}
3216
3217 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3218
3219 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterendddocumenthook}
3220 \newcommand*{\bidi@afterendddocumenthook}{\}
3221
3222 \bidi@patchcmd\enddocument
3223   {\deadcycles}
3224   {\let\bidi@AfterEndDocument\@firstofone
3225     \bidi@afterendddocumenthook
3226     \deadcycles}
3227   {}
3228   {\let\bidi@@end\@end

```



```

3229 \def\@end{%
3230     \let\bid@AfterEndDocument\@firstofone
3231     \bid@afterenddocumenthook
3232     \bid@%end}}
3233
3234 \bid@newrobustcmd{\bid@AtBeginEnvironment}[1]{%
3235     \bid@csgappto{\bid@begin@#1@hook}}
3236
3237 \bid@patchcmd\begin
3238     {\csname #1\endcsname}
3239     {\bid@csuse{\bid@begin@#1@hook}%
3240     \csname #1\endcsname}
3241     {}
3242     {\bid@warning{%
3243         Patching '\string\begin' failed!\MessageBreak
3244         '\string\bid@AtBeginEnvironment' will not work@gobble}}
3245
3246
3247
3248 \bid@newrobustcmd{\bid@AtEndEnvironment}[1]{%
3249     \bid@csgappto{\bid@end@#1@hook}}
3250
3251 \bid@patchcmd\end
3252     {\csname end#1\endcsname}
3253     {\bid@csuse{\bid@end@#1@hook}%
3254     \csname end#1\endcsname}
3255     {}
3256     {\bid@warning{%
3257         Patching '\string\end' failed!\MessageBreak
3258         '\string\bid@AtEndEnvironment' will not work@gobble}}
3259
3260
3261
3262 \bid@newrobustcmd{\bid@BeforeBeginEnvironment}[1]{%
3263     \bid@csgappto{\bid@beforebegin@#1@hook}}
3264
3265 \bid@pretocmd\begin
3266     {\bid@csuse{\bid@beforebegin@#1@hook}}
3267     {}
3268     {\bid@warning{%
3269         Patching '\string\begin' failed!\MessageBreak
3270         '\string\bid@BeforeBeginEnvironment' will not work@gobble}}
3271
3272
3273
3274 \bid@newrobustcmd{\bid@AfterEndEnvironment}[1]{%
3275     \bid@csgappto{\bid@afterend@#1@hook}}
3276
3277 \bid@patchcmd\end
3278     {\if@ignore}

```



```

3279 {\bidi@csuse{@bidi@afterend@#1@hook}%
3280 \if@ignore}
3281 {}
3282 {\bidi@warning{%
3283   Patching '\string\end' failed!\MessageBreak
3284   '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3285
3286 \CheckCommand{\InputIfFileExists}[2]{%
3287   \IfFileExists{#1}%
3288     {#2\@addtofilelist{#1}\@input \@filef@und}}
3289
3290 \renewcommand{\InputIfFileExists}[2]{%
3291   \begingroup\expandafter\expandafter\expandafter\endgroup
3292   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3293     \expandafter\@secondoftwo
3294   \else
3295     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3296     \expandafter\@firstoftwo
3297   \fi
3298   {%
3299     \expandafter\InputIfFileExists\expandafter{\csname
3300       #1-@bidi@alias\endcsname}{#2}%
3301   }%
3302   {\IfFileExists{#1}{%
3303     \bidi@load@hook{before}{#1}%
3304     #2\@addtofilelist{#1}%
3305     \@input \@filef@und
3306     \bidi@load@hook{after}{#1}%
3307   }}%
3308 }
3309
3310 \newcommand*{\bidi@@loadwithoptions}{%
3311 \newcommand*{\bidi@loadwithoptions}{%
3312 \let\bidi@loadwithoptions\loadwithoptions
3313
3314 \renewcommand*{\@loadwithoptions}[3]{%
3315   \begingroup\expandafter\expandafter\expandafter\endgroup
3316   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3317     \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3318   \else
3319     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3320     \def\bidi@@loadwithoptions{%
3321       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
3322     }%
3323   \fi
3324   \bidi@@loadwithoptions
3325 }
3326
3327 \newcommand*{\bidi@onefilewithoptions}{%
3328 \let\bidi@onefilewithoptions\onefilewithoptions

```



```

3329 \def\@onefilewithoptions#1[#2][#3]#4{%
3330   \begingroup\expandafter\expandafter\expandafter\endgroup
3331   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3332     \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3333   \else
3334     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3335     \edef\bidi@onefilewithoptions{%
3336       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3337   \fi
3338   \bidi@onefilewithoptions[#{2}][#{3}]{#4}%
3339   \bidi@load@hook{lateafter}{#1.#4}%
3340 }
3341
3342 \newcommand*{\bidi@ReplaceInput}[2]{%
3343   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3344 }
3345
3346 \newcommand*{\bidi@UnReplaceInput}[1]{%
3347   \ifcsname #1-@bidi@alias\endcsname
3348     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3349   \fi
3350 }
3351
3352 \newcommand*{\@bidi@replacefilewithext}[3]{%
3353   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3354 }
3355 \newcommand*{\bidi@ReplacePackage}[2]{%
3356   \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3357 }
3358 \newcommand*{\bidi@ReplaceClass}[2]{%
3359   \@bidi@replacefilewithext{#1}{#2}\@clsextension
3360 }
3361 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3362   \ifcsname #1.#2-@bidi@aliasname\endcsname
3363     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3364   \fi
3365 }
3366 \newcommand*{\bidi@UnReplacePackage}[1]{%
3367   \@bidi@unreplacefilewithext{#1}\@pkgextension
3368 }
3369 \newcommand*{\bidi@UnReplaceClass}[1]{%
3370   \@bidi@unreplacefilewithext{#1}\@clsextension
3371 }
3372 \newcommand*{\bidi@replacefile@msg}[2]{%
3373   \PackageInfo{biditytools}{inputing `#1' instead of `#2'}%
3374 }
3375
3376 \newcommand*{\bidi@load@hook}[2]{%
3377   \@ifundefined{#2-@#1}{-}{%
3378     \@nameuse{#2-@#1}%

```





```

3379 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3380 \newcommand*{\bidi@set@load@hook}[2]{%
3381 \ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}}%
3382 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3383 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3384 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3385 \newcommand*{\bidi@BeforeClass}[1]{%
3386 \bidi@set@load@hook{before}{#1.\@clsextension}}
3387 \newcommand*{\bidi@AfterClass}{%
3388 \@ifstar {\@s@bidi@AfterClass}{%
3389 \ifnextchar +\@@bidi@AfterClass{%
3390 \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3391 }%
3392 }%
3393 }
3394
3395 \newcommand*{\@@@bidi@AfterClass}[2]{%
3396 \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3397 \aftergroup\@s@bidi@AfterClass
3398 \else
3399 \aftergroup\bidi@AfterAtEndOfClass
3400 \fi
3401 \endgroup{#2}%
3402 }
3403
3404 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3405 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3406 \newcommand*{\@@@bidi@AfterClass}[2]{%
3407 \begingroup
3408 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3409 \aftergroup\@s@bidi@AfterClass
3410 \else
3411 \aftergroup\bidi@AfterClass
3412 \fi
3413 \endgroup{#2}%
3414 }
3415
3416 \newcommand*{\@bidi@AfterClass}[1]{%
3417 \bidi@set@load@hook{after}{#1.\@clsextension}}
3418 \newcommand*{\@s@bidi@AfterClass}[1]{%
3419 \begingroup
3420 \@ifclassloaded{#1}{%
3421 \aftergroup\@secondoftwo
3422 }{%
3423 \aftergroup\bidi@AfterClass
3424 }%
3425 \endgroup
3426 {#1}%
3427 }
3428

```



```

3429
3430 \newcommand*{\@bidi@BeforePackage}[1]{%
3431   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3432 \newcommand*{\@bidi@AfterPackage}{%
3433   \@ifstar {\@s@bidi@AfterPackage}{%
3434     \@ifnextchar +{\@bidi@AfterPackage{%
3435       \@ifnextchar !{\@bidi@AfterPackage\@bidi@AfterPackage
3436     }%
3437   }%
3438 }
3439 \newcommand*{\@bidi@AfterPackage}[2]{%
3440   \begingroup\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
3441     \aftergroup\@s@bidi@AfterPackage
3442   \else
3443     \aftergroup\@bidi@AfterAtEndOfPackage
3444   \fi
3445   \endgroup{#2}%
3446 }
3447 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
3448   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3449 \newcommand*{\@bidi@AfterPackage}[2]{%
3450   \begingroup
3451     \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
3452       \aftergroup\@s@bidi@AfterPackage
3453     \else
3454       \aftergroup\@bidi@AfterPackage
3455     \fi
3456   \endgroup{#2}%
3457 }
3458 \newcommand*{\@bidi@AfterPackage}[1]{%
3459   \bidi@set@load@hook{after}{#1.\@pkgextension}}
3460 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3461   \begingroup
3462     \@ifpackageloaded{#1}{%
3463       \aftergroup\@secondoftwo
3464     }{%
3465       \aftergroup\@bidi@AfterPackage
3466     }%
3467   \endgroup
3468   {#1}%
3469 }
3470
3471 \newcommand*{\@bidi@excludedpackages}{}
3472 \let\@bidi@excludedpackages\@empty
3473 \newcommand*{\@bidi@sav@RequirePackage}{}
3474 \newcommand*{\@bidi@PreventPackageFromLoading}{%
3475   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}{%
3476     {\@bidi@PreventPackageFromLoading\PackageWarning}%
3477 }
3478 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%

```



```

3479 \ifnextchar [%]
3480 {\@@bidi@PreventPackageFromLoading#1}{\@@bidi@PreventPackageFromLoading#1[]}%
3481 }
3482 \newcommand*{\@@bidi@PreventPackageFromLoading}{%
3483
3484 \def\@@bidi@PreventPackageFromLoading#1[#2]#3{%
3485 \edef\reserved@b{\zap@space#3 \@empty}%
3486 \ifx \reserved@b\@empty
3487 #1{biditools}{%
3488 \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3489 argument ignored%
3490 }%
3491 \else
3492 \ifx\bidi@excludedpackages\@empty
3493 \let\bidi@saved@RequirePackage\RequirePackage
3494 \let\RequirePackage\bidi@RequirePackage
3495 \def\reserved@a##1##{%
3496 \@latex@error
3497 {\noexpand \usepackage before \string\documentclass}%
3498 {\noexpand \usepackage may only appear in the document
3499 preamble, i.e.,\MessageBreak
3500 between \noexpand\documentclass and
3501 \string\begin{document}.}%
3502 \@gobble}%
3503 \ifx\reserved@a\usepackage\else
3504 \ifx\usepackage\bidi@saved@RequirePackage\else
3505 \PackageWarning{biditools}{%
3506 Maybe serious problem: unexpected definition of\MessageBreak
3507 \string\usepackage
3508 }%
3509 \fi
3510 \let\usepackage\RequirePackage
3511 \fi
3512 \fi
3513 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3514 \reserved@b\do {%
3515 \ifx\reserved@a\@empty
3516 #1{biditools}{%
3517 empty package argument for
3518 \string\bidi@PreventPackageFromLoading\MessageBreak
3519 ignored%
3520 }%
3521 \else
3522 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3523 #1{biditools}{%
3524 package '\reserved@a' already loaded.\MessageBreak
3525 Cannot prevent it from being loaded%
3526 }%
3527 }{%
3528 \edef\bidi@excludedpackages{\bidi@excludedpackages,%

```



```

3529         \reserved@a}%
3530     \if\relax\detokenize{#2}\relax\else
3531         \ifundefined{bidi@exclude@package@\reserved@a @do}{%
3532             \@namedef{bidi@exclude@package@\reserved@a @do}{}%
3533         }{}%
3534         \expandafter\def
3535             \csname bidi@exclude@package@\reserved@a
3536                 @do\expandafter\expandafter\expandafter\endcsname
3537         \expandafter\expandafter\expandafter{%
3538             \csname bidi@exclude@package@\reserved@a @do\endcsname
3539             #2%
3540         }%
3541     \fi
3542 }%
3543 \fi
3544 }%
3545 \ifx\bidi@excludedpackages\@empty
3546     \bidi@ResetPreventPackageFromLoading
3547 \fi
3548 \fi
3549 }
3550
3551 \@onlypreamble\bidi@PreventPackageFromLoading
3552 \newcommand*{\bidi@ResetPreventPackageFromLoading}{%
3553     \let\bidi@excludedpackages\@empty
3554     \ifx\RequirePackage\bidi@RequirePackage
3555         \ifx\usepackage\RequirePackage
3556             \let\usepackage\bidi@saved@RequirePackage
3557         \fi
3558         \let\RequirePackage\bidi@saved@RequirePackage
3559     \fi
3560 }
3561 \@onlypreamble\bidi@ResetPreventPackageFromLoading
3562 \newcommand*{\bidi@StorePreventPackageFromLoading}[1]{%
3563     \let#1\bidi@excludedpackages
3564 }
3565 \@onlypreamble\bidi@StorePreventPackageFromLoading
3566 \newcommand*{\bidi@UnPreventPackageFromLoading}{%
3567     \ifstar {\@tempswatrue\bidi@UnPreventPackageFromLoading}%
3568         {\@tempswafalse\bidi@UnPreventPackageFromLoading}%
3569 }
3570
3571 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
3572     \edef\reserved@b{\zap@space#1 \@empty}%
3573     \if@tempswa
3574         \@for\reserved@a:=\reserved@b\do {%
3575             \ifx\reserved@a\@empty \else
3576                 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3577                     \expandafter\let
3578                     \csname bidi@exclude@package@\reserved@a @do\endcsname

```



```

3579         \undefined
3580     \fi
3581 \fi
3582 }%
3583 \fi
3584 \ifcsname bidi@excludedpackages\endcsname
3585 \let\reserved@a\bidi@excludedpackages
3586 \let\bidi@excludedpackages\@empty
3587 \expandafter\@for\expandafter\reserved@c
3588 \expandafter:\expandafter=\reserved@a
3589 \do{%
3590     \ifx\reserved@c\@empty\else
3591     \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
3592     \ifin@
3593     \else
3594     \edef\bidi@excludedpackages{%
3595         \bidi@excludedpackages,\reserved@c
3596     }%
3597     \fi
3598 \fi
3599 }%
3600 \ifx\bidi@excludedpackages\@empty\bidi@ResetPreventPackageFromLoading\fi
3601 \fi
3602 }
3603
3604
3605 \newcommand*{\bidi@RequirePackage}[2][]{%
3606     \let\reserved@c\@empty
3607     \let\reserved@d\@empty
3608     \edef\reserved@b{\zap@space#2 \@empty}%
3609     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3610     \do {%
3611         \begingroup
3612         \@tempswatrue
3613         \@for\reserved@a:=\bidi@excludedpackages\do {%
3614             \ifx\reserved@a\reserved@b
3615             \@tempswafalse
3616             \fi
3617         }%
3618         \if@tempswa
3619         \xdef\reserved@c{\reserved@c,\reserved@b}%
3620         \else
3621         \ifx\reserved@b\@empty\else
3622         \PackageInfo{bidiutils}{Excluding package '\reserved@b'\MessageBreak
3623             from loading}%
3624         \ifundefined\bidi@exclude@package@\reserved@b @do}{%
3625             }{%
3626             \expandafter\g@addto@macro\expandafter\reserved@d
3627             \csname bidi@exclude@package@\reserved@b @do\endcsname
3628             }%

```



```

3629         \fi
3630     \fi
3631 \endgroup
3632 }%
3633 \ifx\reserved@c\@empty
3634     \let\reserved@a\bidigobbleopt
3635 \else
3636     \edef\reserved@a{\noexpand\bidisaved@RequirePackage[#1]{%
3637         \expandafter\@gobble\reserved@c\@empty}}%
3638     \fi
3639 \expandafter\reserved@d
3640 \reserved@a
3641 }
3642
3643 \newcommand{\bidigobbleopt}[1][{}]{
3644 \AtEndDocument{%
3645     \let\bidisaved@checkend=\@checkend
3646     \renewcommand*{\@checkend}[1]{%
3647         \def\reserved@a{#1}\def\reserved@b{document}%
3648         \bidisaved@checkend{#1}%
3649         \ifx\reserved@a\reserved@b
3650             \let\bidisaved@clearpage=\clearpage
3651             \renewcommand*{\clearpage}{\bidisaved@clearpage
3652                 \bidi@hook@bcma
3653                 \bidi@restore@newpage
3654                 \let\clearpage=\bidisaved@clearpage}%
3655             \fi%
3656             \let\bidisaved@dofilelist\@dofilelist
3657             \def\@dofilelist{%
3658                 \bidi@hook@acma
3659                 \let\@dofilelist\bidisaved@dofilelist
3660                 \bidisaved@dofilelist
3661             }%
3662         }%
3663     }
3664
3665
3666 \newcommand*{\bidisaved@checkend}{}
3667 \newcommand*{\bidisaved@dofilelist}{}
3668 \newcommand*{\bidi@redefine@newpage}{%
3669     \let\bidisaved@newpage\newpage
3670     \def\bidi@restore@newpage{%
3671         \renewcommand*{\newpage}{%
3672             \PackageWarningNoLine{%
3673                 biditools%
3674             }{%
3675                 \string\newpage\space at main aux file!\MessageBreak
3676                 You have output material at the main aux file.\MessageBreak
3677                 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3678                 are processed before the output from aux file%

```



```

3679     }%
3680     \let\newpage\bidi@saved@newpage
3681     \newpage
3682 }%
3683 }%
3684 \renewcommand*{\newpage}{%
3685   \PackageError{%
3686     biditools%
3687   }{%
3688     \string\newpage\space at \string\bidi@BeforeClosingMainAux
3689   }{%
3690     You should never use \string\newpage\space or
3691     \string\clear(double)page or other output material at the\MessageBreak
3692     argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3693     If you'll continue, the \string\newpage\space will be ignored to
3694     avoid corruption of\MessageBreak
3695     every prior use of \string\bidi@BeforeClosingMainAux.
3696   }%
3697 }%
3698 }
3699
3700 \newcommand*{\bidi@restore@newpage}{%
3701 \newcommand*{\bidi@hook@bcma}{%
3702 \newcommand*{\bidi@hook@acma}{%
3703 \newcommand*{\bidi@BeforeClosingMainAux}{%
3704   \ifx\bidi@hook@bcma\@empty
3705     \gdef\bidi@hook@bcma{%
3706       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
3707       \let\protected@write\bidi@protected@immediate@write
3708       \bidi@redefine@newpage
3709     }%
3710   \fi
3711   \g@addto@macro\bidi@hook@bcma%
3712 }
3713
3714 \newcommand*{\bidi@AfterReadingMainAux}{%
3715   \ifx\bidi@hook@acma\@empty
3716     \gdef\bidi@hook@acma{%
3717       \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
3718       \let\protected@write\bidi@protected@immediate@write
3719     }%
3720   \fi
3721   \g@addto@macro\bidi@hook@acma%
3722 }
3723
3724 \long\def\bidi@protected@immediate@write#1#2#3{%
3725   \begingroup
3726     #2%
3727   \let\protect\@unexpandable@protect
3728   \edef\reserved@a{\immediate\write#1{#3}}%

```



```

3729 \reserved@a
3730 \endgroup
3731 \if@nobreak\ifvmode\nobreak\fi\fi
3732 }
3733
3734 \def\bidipatch@counter{0}%
3735 \if@bidi@csundef{numexpr}{%
3736 \def\bidipatch@stepcounter{%
3737 \begingroup
3738 \count@\bidipatch@counter\relax
3739 \advance\count@\@ne\relax
3740 \edef\x{\endgroup
3741 \noexpand\def\noexpand\bidipatch@counter{\the\count@}%
3742 }%
3743 \x
3744 }%
3745 }{%
3746 \def\bidipatch@stepcounter{%
3747 \edef\bidipatch@counter{%
3748 \the\numexpr\bidipatch@counter+\@ne\relax
3749 }%
3750 }%
3751 }
3752 \def\bidipatch@list{}
3753 \def\bidipatch@Add{%
3754 \bidipatch@list
3755 }
3756 \def\bidipatch@AfterPackage#1{%
3757 \@ifpackageloaded{#1}{%
3758 \@firstofone
3759 }{%
3760 \bidipatch@AfterPackage{#1}%
3761 }%
3762 }
3763 \def\bidipatch@AfterPackage#1{%
3764 \edef\bidipatch@temp{#1}%
3765 \bidipatch@stepcounter
3766 \expandafter\bidipatch@@AfterPackage
3767 \csname bidipatch@\bidipatch@counter\expandafter\endcsname{%
3768 \bidipatch@temp
3769 }%
3770 }
3771 \def\bidipatch@@AfterPackage#1#2#3{%
3772 \begingroup
3773 \toks@{#3}%
3774 \xdef\bidipatch@gtemp{%
3775 \noexpand\@ifpackageloaded{#2}{%
3776 \noexpand\let\noexpand#1\noexpand\relax
3777 \the\toks@
3778 }-}%

```





```

3779     }%
3780 \endgroup
3781 \let#1\bidipatch@gtemp
3782 \bidipatch@Add#1%
3783 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3784 }
3785
3786 \def\bidipatch@try#1#2#3{%
3787   \if@bidicsundef{#1}{}{%
3788     \csname #1\endcsname{#2}{#3}%
3789   }%
3790 }
3791
3792 \AtBeginDocument{\bidipatch@list}
3793
3794 \bidipatch@AtEndPreamble{\bidipatch@list}%
3795
3796 \bidipatch@AfterEndPreamble{%
3797   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
3798   \let\bidipatch@OrgIfPackageLater\ifpackagelater
3799   \let\bidipatch@OrgIfClassLoaded\ifclassloaded
3800   \let\bidipatch@OrgIfClassLater\ifclasslater
3801   \bidipatch@list
3802   \let\ifpackageloaded\bidipatch@OrgIfPackageLoaded
3803   \let\ifpackagelater\bidipatch@OrgIfPackageLater
3804   \let\ifclassloaded\bidipatch@OrgIfClassLoaded
3805   \let\ifclasslater\bidipatch@OrgIfClassLater
3806 }%

```

## 7.22 bidituftefloat.sty

```

3807 \NeedsTeXFormat{LaTeX2e}
3808 \ProvidesPackage{bidituftefloat}[2011/06/14 v0.1
3809 bidi implementation of tufte float]
3810 \RequirePackage{xifthen}
3811 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
3812 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
3813 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bidituftefloatDebugInfoNL{#1}}{} }
3814 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1@gobble}}
3815 \newboolean{\@bidituftefloat@a4paper}
3816 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}
3817 \newboolean{\@bidituftefloat@b5paper}
3818 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@b5paper}{true}}
3819 \newboolean{\@bidituftefloat@symmetric}
3820 \newboolean{\@bidituftefloat@twoside}
3821 \DeclareOption{twoside}{%
3822   \@twosidettrue \mparswitchtrue%
3823   \setboolean{\@bidituftefloat@twoside}{true}%
3824   \setboolean{\@bidituftefloat@symmetric}{true}%
3825 }

```



```

3826 \DeclareOption{oneside}{%
3827 \@twosidefalse \mparswitchfalse%
3828 \setboolean{@biditytfloat@twoside}{false}%
3829 \setboolean{@biditytfloat@symmetric}{false}%
3830 }
3831 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3832 \newboolean{@biditytfloat@debug}
3833 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetect}
3834 \ProcessOptions
3835 %% Globally sets the length
3836 \newcommand*{\gsetlength}[2]{%
3837   \setlength{#1}{#2}%
3838   \global#1=#1\relax%
3839 }
3840
3841 %% Set the font sizes and baselines to match biditytfloat's books
3842 \renewcommand\normalsize{%
3843   \@setfontsize\normalsize\@xpt{14}%
3844   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3845   \abovedisplayshortskip \z@ \@plus3\p@
3846   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3847   \belowdisplayskip \abovedisplayskip
3848   \let\@listi\@listI}
3849 \normalbaselineskip=14pt
3850 \normalsize
3851 \renewcommand\footnotesize{%
3852   \@setfontsize\footnotesize\@viiipt{10}%
3853   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3854   \abovedisplayshortskip \z@ \@plus\p@
3855   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3856   \def\@listi{\leftmargin\leftmarginI
3857     \topsep 3\p@ \@plus\p@ \@minus\p@
3858     \parsep 2\p@ \@plus\p@ \@minus\p@
3859     \itemsep \parsep}%
3860   \belowdisplayskip \abovedisplayskip
3861 }
3862 %% Paragraph indentation and separation for marginal text
3863 \newcommand{\@biditytfloat@margin@par}{%
3864   \setlength{\RaggedRightParindent}{0.5pc}%
3865   \setlength{\JustifyingParindent}{0.5pc}%
3866   \setlength{\parindent}{0.5pc}%
3867   \setlength{\parskip}{0pt}%
3868 }
3869 \RequirePackage{ragged2e}
3870 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparsep]{ragged2e}
3871 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
3872   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparsep=10mm}}
3873   {}
3874 \ifthenelse{\boolean{@biditytfloat@b5paper}}{
3875   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginparsep=10mm}}

```



```

3876 {}
3877 \ifthenelse{\boolean{@bidiutfefloat@symmetric}}
3878 {}
3879 {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3880 \setlength\marginparpush{10pt}
3881 %% Font for margin items
3882 \newcommand{\@bidiutfefloat@marginfont}{\normalfont\footnotesize}
3883 \newcommand*{\@bidiutfefloat@caption@font}{\@bidiutfefloat@marginfont}
3884 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutfefloat@caption@font}{#1}}
3885 \newcommand{\@bidiutfefloat@justification}{\justifying}%
3886 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3887 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3888 \newboolean{@bidiutfefloat@changepage}
3889 \IfFileExists{changepage.sty}{%
3890   \bidiutfefloatDebugInfoNL{Found changepage.sty}
3891   \RequirePackage[strict]{changepage}
3892   \setboolean{@bidiutfefloat@changepage}{true}
3893 }{%
3894   \bidiutfefloatDebugInfoNL{Found chngpage.sty}
3895   \RequirePackage[strict]{chngpage}
3896   \setboolean{@bidiutfefloat@changepage}{false}
3897 }
3898 \newboolean{@bidiutfefloat@odd@page}
3899 \setboolean{@bidiutfefloat@odd@page}{true}
3900 \newcommand*{\@bidiutfefloat@checkoddpage}{%
3901   \checkoddpage%
3902   \ifthenelse{\boolean{@bidiutfefloat@changepage}}{%
3903     \ifoddpage%
3904       \setboolean{@bidiutfefloat@odd@page}{true}%
3905     \else%
3906       \setboolean{@bidiutfefloat@odd@page}{false}%
3907     \fi%
3908   }{%
3909     \ifcoddpage%
3910       \setboolean{@bidiutfefloat@odd@page}{true}%
3911     \else%
3912       \setboolean{@bidiutfefloat@odd@page}{false}%
3913     \fi%
3914   }%
3915 }
3916 \newlength{\@bidiutfefloat@overhang}% used by the fullwidth environment and the running heads
3917 \newlength{\@bidiutfefloat@fullwidth}
3918 \newlength{\@bidiutfefloat@caption@fill}
3919 \newcommand{\@bidiutfefloatRecalculate}{%
3920   \setlength{\@bidiutfefloat@overhang}{\marginparwidth}
3921   \addtolength{\@bidiutfefloat@overhang}{\marginparsep}
3922
3923   \setlength{\@bidiutfefloat@fullwidth}{\textwidth}
3924   \addtolength{\@bidiutfefloat@fullwidth}{\marginparsep}
3925   \addtolength{\@bidiutfefloat@fullwidth}{\marginparwidth}

```



```

3926
3927 \setlength{\@bidiutefloat@caption@fill}{\textwidth}
3928 \addtolength{\@bidiutefloat@caption@fill}{\marginparsep}
3929 }
3930 \AtBeginDocument{\bidiutefloatRecalculate}
3931 \RequirePackage{optparams}% provides multiple optional arguments for commands
3932 \RequirePackage{placeins}
3933 \newsavebox{\@bidiutefloat@margin@floatbox}
3934 \newenvironment{\@bidiutefloat@margin@float}[2][-1.2ex]%
3935 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3936 \begin{lrbox}{\@bidiutefloat@margin@floatbox}%
3937 \begin{minipage}{\marginparwidth}%
3938 \@bidiutefloat@caption@font%
3939 \def\@capttype{#2}%
3940 \hbox{}\vspace*{#1}%
3941 \@bidiutefloat@caption@justification%
3942 \@bidiutefloat@margin@par%
3943 \noindent%
3944 }
3945 {\end{minipage}%
3946 \end{lrbox}%
3947 \marginpar{\usebox{\@bidiutefloat@margin@floatbox}}%
3948 }
3949 \newenvironment{marginfigure}[1][-1.2ex]%
3950 {\begin{\@bidiutefloat@margin@float}[#1]{figure}}
3951 {\end{\@bidiutefloat@margin@float}}
3952 \newenvironment{margintable}[1][-1.2ex]%
3953 {\begin{\@bidiutefloat@margin@float}[#1]{table}}
3954 {\end{\@bidiutefloat@margin@float}}
3955 \newcommand*\@bidiutefloat@justification@autodetect{\justifying}%
3956
3957 \newcommand{\@bidiutefloat@float@debug@info}{}% contains debug info generated as the float is
3958 \newcommand{\@bidiutefloat@float@debug}[1]{% adds debug info to the queue for output
3959 \ifthenelse{\equal{\@bidiutefloat@float@debug@info}{}}%
3960 {\def\@bidiutefloat@float@debug@info{#1}}%
3961 {\g@addto@macro\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
3962 }
3963 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3964 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutefloat@float@debug
3965 \newboolean{\@bidiutefloat@float@recto}
3966 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@bidiutefloat@float@recto}{true}\@bidiutefloat
3967 \newcommand{\forceversofloat}{\GlobalSetBoolean{\@bidiutefloat@float@recto}{false}\@bidiutefloat
3968 \newsavebox{\@bidiutefloat@figure@box}
3969 \newsavebox{\@bidiutefloat@caption@box}
3970 \let\@bidiutefloat@orig@float\@float
3971 \let\@bidiutefloat@orig@endfloat\endfloat
3972 \newlength{\@bidiutefloat@caption@vertical@offset}
3973 \setlength{\@bidiutefloat@caption@vertical@offset}{0pt}
3974 \newcommand{\@bidiutefloat@stored@shortcaption}{%
3975 \newcommand{\@bidiutefloat@stored@caption}{%

```



```

3976 \newcommand{\@biditytfloat@stored@label}{}
3977 \long\def\@biditytfloat@caption[#1][#2]#3{%
3978   \ifthenelse{\isempty{#1}}%
3979     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
3980     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
3981   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3982   \gdef\@biditytfloat@stored@caption{#3}%
3983 }
3984 \newcommand{\@biditytfloat@label}[1]{%
3985   \gdef\@biditytfloat@stored@label{#1}%
3986 }
3987 \newcommand{\@biditytfloat@fps}{}
3988 \newboolean{\@biditytfloat@float@star}
3989 \newlength{\@biditytfloat@float@contents@width}
3990 \newenvironment{\@biditytfloat@float}[3][htbp]%
3991   {% begin \@biditytfloat@float
3992     % Should this float be full-width or just text-width?
3993     \ifthenelse{\equal{#3}{star}}%
3994       {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
3995       {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
3996     % Check page side (recto/verso) and store detected value -- can be overridden in environment con
3997     \@biditytfloat@checkoddpag%
3998     \ifthenelse{\boolean{\@biditytfloat@odd@page}}%
3999       {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detecte
4000       {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detect
4001     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, other
4002     \renewcommand{\@biditytfloat@fps}{#1}%
4003     \@biditytfloat@float@debug{Allowed positions: [#1]}%
4004     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4005       {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bottom]
4006       {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]}}%
4007     % Capture the contents of the \caption and \label commands to use later
4008     \global\let\@biditytfloat@orig@caption\caption%
4009     \global\let\@biditytfloat@orig@label\label%
4010     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
4011     \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4012     % Handle subfigure package compatibility
4013     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4014       % don't move the label while inside a \subfigure or \subtable command
4015       \global\let\label\@biditytfloat@orig@label%
4016     }% subfigure package is not loaded
4017     \@biditytfloat@orig@float{#2}[#1]%
4018     \ifthenelse{\boolean{\@biditytfloat@float@star}}%
4019       {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4020       {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4021     \begin{lrbox}{\@biditytfloat@figure@box}%
4022     \begin{minipage}[floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4023   }{% end \@biditytfloat@float
4024     \par\hbox{} \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
4025     \end{minipage}%

```



```

4026 \end{lrbox}%
4027 % build the caption box
4028 \begin{lrbox}{\@biditytfloat@caption@box}%
4029 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4030 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@caption%
4031 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{\@biditytfloat@
4032 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4033 \end{minipage}%
4034 \end{lrbox}%
4035 % now typeset the stored boxes
4036 \begin{fullwidth}%
4037 \begin{minipage}{\floatalignment}{\linewidth}%
4038 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4039 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfloat@float@
4040 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfloat@float@
4041 \end{minipage}%
4042 \end{fullwidth}%
4043 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4044 % output debug info
4045 \ifthenelse{\boolean{@biditytfloat@debug}}{%
4046 \typeout{^^J^^J----- biditytfloat package float information -----}%
4047 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
4048 {\typeout{Warning: Float unlabeled!}}%
4049 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4050 \typeout{Page number: [\thepage]}%
4051 \def\MessageBreak{^^J}%
4052 \typeout{\@biditytfloat@float@debug@info}%
4053 \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4054 {\typeout{Symmetric: [true]}}%
4055 {\typeout{Symmetric: [false]}}%
4056 \typeout{-----^^J^^J}%
4057 }%
4058 % reset commands and temp boxes and captions
4059 \gdef\@biditytfloat@float@debug@info{}%
4060 \let\caption\@biditytfloat@orig@caption%
4061 \let\label\@biditytfloat@orig@label%
4062 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4063 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4064 \gdef\@biditytfloat@stored@shortcaption{}%
4065 \gdef\@biditytfloat@stored@caption{}%
4066 \gdef\@biditytfloat@stored@label{}%
4067 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4068 }
4069 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
4070 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}%
4071 % asymmetric or page is odd, so caption is on the right
4072 \hbox{%
4073 \usebox{#2}%
4074 \hspace{\marginparsep}%
4075 \smash{\raisebox{#1}{\usebox{#3}}}%

```



```

4076     }
4077     \@biditytfloat@float@debug{Caption position: [right]]%
4078 }{% symmetric pages and page is even, so caption is on the left
4079     \hbox{%
4080         \smash{\raisebox{#1}{\usebox{#3}}}%
4081         \hspace{\marginparsep}%
4082         \usebox{#2}%
4083     }
4084     \@biditytfloat@float@debug{Caption position: [left]]%
4085 }%
4086 }
4087 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4088     \ifthenelse{\equal{\floatalignment}{b}}{%
4089         {% place caption above figure
4090             \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@rect}
4091                 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{Cap
4092                 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{Cap
4093             }}% place caption below figure
4094             \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@rect}
4095                 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{Cap
4096                 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Cap
4097             }}%
4098     }
4099 \renewenvironment{figure}[1][htbp]%
4100     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4101     {\end{@biditytfloat@float}}
4102 \renewenvironment{table}[1][htbp]
4103     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4104     {\end{@biditytfloat@float}}
4105 \renewenvironment{figure*}[1][htbp]%
4106     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4107     {\end{@biditytfloat@float}}
4108 \renewenvironment{table*}[1][htbp]%
4109     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4110     {\end{@biditytfloat@float}}
4111 \newenvironment{fullwidth}
4112     {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4113         {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}}%
4114         {\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}}%
4115     }%
4116     {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4117         {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4118         {\end{adjustwidth}}}%
4119     }
4120 \long\def\@caption#1[#2]#3{%
4121     \par%
4122     \addcontentsline{\csname ext@#1\endcsname}{#1}%
4123     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4124     \begingroup%
4125     \@parboxrestore%

```



```

4126 \if@minipage%
4127 \setminipage%
4128 \fi%
4129 \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
4130 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4131 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4132 \endgroup}
4133 %%
4134 % Turns newlines into spaces. Based on code from the `titlesec' package.
4135 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
4136 \ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
4137 }
4138 \def\@biditufteheading@newlinetospace@i{%
4139 \ifdim\lastskip>\z@ \else \space \fi
4140 \ignorespaces%
4141 }
4142 \DeclareRobustCommand{\newlinetospace}[1]{%
4143 \let\@biditufteheading@orig@cr\\% save the original meaning of \\
4144 \def\\{\@biditufteheading@newlinetospace}% turn \\ and \\* into \space
4145 \let\newline\\% turn \newline into \space
4146 #1%
4147 \let\\\\@biditufteheading@orig@cr% revert to original meaning of \\
4148 }
4149 \RequirePackage{fancyhdr}
4150 \pagestyle{fancy}
4151 \AtBeginDocument{%
4152 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4153 {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
4154 {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
4155 }
4156 % The running heads/feet don't have rules
4157 \renewcommand{\headrulewidth}{Opt}
4158 \renewcommand{\footrulewidth}{Opt}
4159 % The 'fancy' page style is the default style for all pages.
4160 \fancyhf{} % clear header and footer fields
4161 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4162 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4163 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4164 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4165 % The 'plain' page style is used on chapter opening pages.
4166 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4167 % bottom of pages -- the folios are unexpressed.
4168 \fancypagestyle{plain}{
4169 \fancyhf{} % clear header and footer fields
4170 % Uncomment the following five lines of code if you want the opening page
4171 % of the chapter to express the folio in the lower outside corner.
4172 % \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4173 % {\fancyfoot[LE,RO]{\thepage}}
4174 % {\fancyfoot[RE,RO]{\thepage}}
4175 }

```





```

4176 % The `empty' page style suppresses all headers and footers.
4177 % It's used on title pages and `intentionally blank' pages.
4178 \fancypagestyle{empty}{
4179   \fancyhf{} % clear header and footer fields
4180 }
4181 \def\morefloats{% provides a total of 52 floats
4182   \ifthenelse{\isundefined{\bx@S}}{%
4183     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4184     \newinsert\bx@S
4185     \newinsert\bx@T
4186     \newinsert\bx@U
4187     \newinsert\bx@V
4188     \newinsert\bx@W
4189     \newinsert\bx@X
4190     \newinsert\bx@Y
4191     \newinsert\bx@Z
4192     \newinsert\bx@a
4193     \newinsert\bx@b
4194     \newinsert\bx@c
4195     \newinsert\bx@d
4196     \newinsert\bx@e
4197     \newinsert\bx@f
4198     \newinsert\bx@g
4199     \newinsert\bx@h
4200     \newinsert\bx@i
4201     \newinsert\bx@j
4202     \newinsert\bx@k
4203     \newinsert\bx@l
4204     \newinsert\bx@m
4205     \newinsert\bx@n
4206     \newinsert\bx@o
4207     \newinsert\bx@p
4208     \newinsert\bx@q
4209     \newinsert\bx@r
4210     \newinsert\bx@s
4211     \newinsert\bx@t
4212     \newinsert\bx@u
4213     \newinsert\bx@v
4214     \newinsert\bx@w
4215     \newinsert\bx@x
4216     \newinsert\bx@y
4217     \newinsert\bx@z
4218     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4219       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4220       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4221       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4222       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4223       \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4224       \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4225       \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j

```



```

4226         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4227         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4228         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4229         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4230 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4231 \ifthenelse{\isundefined{\bx@AA}}{%
4232     \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4233     \newinsert\bx@AA
4234     \newinsert\bx@BB
4235     \newinsert\bx@CC
4236     \newinsert\bx@DD
4237     \newinsert\bx@EE
4238     \newinsert\bx@FF
4239     \newinsert\bx@GG
4240     \newinsert\bx@HH
4241     \newinsert\bx@II
4242     \newinsert\bx@JJ
4243     \newinsert\bx@KK
4244     \newinsert\bx@LL
4245     \newinsert\bx@MM
4246     \newinsert\bx@NN
4247     \newinsert\bx@OO
4248     \newinsert\bx@PP
4249     \newinsert\bx@QQ
4250     \newinsert\bx@RR
4251     \newinsert\bx@SS
4252     \newinsert\bx@TT
4253     \newinsert\bx@UU
4254     \newinsert\bx@VV
4255     \newinsert\bx@WW
4256     \newinsert\bx@XX
4257     \newinsert\bx@YY
4258     \newinsert\bx@ZZ
4259 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4260     \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4261     \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4262     \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4263     \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4264     \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4265     \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4266     \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4267     \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4268     \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4269     \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4270     \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4271     \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4272     \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4273     \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4274     \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4275     \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV

```



```

4276          \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4277      }{%
4278      \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
4279      {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\Messag
4280      }%
4281  }%
4282 }
4283 \newboolean{@biditytfloat@packages@subfigure}
4284 \setboolean{@biditytfloat@packages@subfigure}{false}
4285 \AtBeginDocument{%
4286   \@ifpackageloaded{subfigure}
4287   {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4288   {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}}%
4289 }
4290 \AtBeginDocument{%
4291   \@ifpackageloaded{float}{%
4292     % Save the redefined float environment (instead of the LaTeX float environment)
4293     \let\@biditytfloat@orig@float\@float
4294     \let\@biditytfloat@orig@endfloat\endfloat
4295
4296     % Define Tuftian float styles (with the caption in the margin)
4297     \newcommand{\floatc@biditytfloatplain}[2]{%
4298       \begin{lrbox}{\@biditytfloat@caption@box}%
4299       \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4300         \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4301       }\end{minipage}%
4302       \end{lrbox}%
4303       \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4304   }
4305   \newcommand{\fs@biditytfloatplain}{%
4306     \def\@fs@cfont{\@biditytfloat@caption@font}%
4307     \let\@fs@capt\floatc@biditytfloatplain%
4308     \def\@fs@pre{}%
4309     \def\@fs@post{}%
4310     \def\@fs@mid{}%
4311     \let\@fs@iftopcapt\iftrue%
4312   }
4313   \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4314   \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4315   \newcommand\floatc@biditytfloatruled[2]{%
4316     {\@fs@cfont #1} #2\par%
4317   }
4318   \newcommand\fs@biditytfloatruled{%
4319     \def\@fs@cfont{\@biditytfloat@caption@font}%
4320     \let\@fs@capt\floatc@biditytfloatplain%
4321     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4322     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4323     \def\@fs@mid{}%
4324     \let\@fs@iftopcapt\iftrue%
4325   }

```



```

4326 \newcommand\fs@biditytfloatboxed{%
4327 \def\@fs@cfont{%
4328 \let\@fs@capt\floatc@biditytfloatplain%
4329 \def\@fs@pre{%
4330 \setbox\@currbox\vbox{\hbadness10000
4331 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4332 \hrule \hbox to\hsize{\vrule\kern3pt
4333 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4334 }%
4335 \def\@fs@mid{\kern2pt}%
4336 \def\@fs@post{%
4337 \let\@fs@iftopcapt\iftrue%
4338 }
4339 }{%
4340 % Nothing to do
4341 }
4342 }
4343 \AtBeginDocument{%
4344 \@ifpackageloaded{algorithm}{%
4345 % Set the float style to the Tufte version
4346 \ifthenelse{\equal{\ALG@floatstyle}{plain}}{OR\equal{\ALG@floatstyle}{ruled}}{OR\equal{\ALG@
4347 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to
4348 \floatstyle{biditytfloat\ALG@floatstyle}%
4349 \restylefloat{algorithm}%
4350 }{}%
4351 }{%
4352 % Nothing to do
4353 }
4354 }
4355 \PassOptionsToPackage{caption=false}{subfig}

```

## 7.23 biditytfloatnote.sty

```

4356 \NeedsTeXFormat{LaTeX2e}
4357 \ProvidesPackage{biditytfloatnote}[2015/04/30 v0.3
4358 bidi implementation of tufte sidenote]
4359 \RequirePackage{xifthen}
4360 \RequirePackage{ragged2e}
4361 \RequirePackage{setspace}
4362 \RequirePackage{biditytools}
4363 \def\biditytfloatnotemarginpar{%
4364 \ifhmode
4365 \@bsphack
4366 \@floatpenalty -\@Mii
4367 \else
4368 \@floatpenalty -\@Miii
4369 \fi
4370 \ifinner
4371 \@parmoderr
4372 \@floatpenalty\z@

```



```

4373 \else
4374 \@next\@currbox\@freelist{}\{}%
4375 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4376 {\@floatpenalty\z@
4377 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4378 \fi
4379 \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
4380 \long\def\@bidituftesidenotexmpar[#1]#2{%
4381 \@bidituftesidenotesavemarbox\@marbox{#1}%
4382 \@bidituftesidenotesavemarbox\@currbox{#2}%
4383 \@xympar}
4384 \long\def\@bidituftesidenoteympar#1{%
4385 \@bidituftesidenotesavemarbox\@marbox{#1}%
4386 \global\setbox\@currbox\copy\@marbox
4387 \@xympar}
4388 \long\def \@bidituftesidenotesavemarbox #1#2{%
4389 \global\setbox #1%
4390 \color@vbox
4391 \vtop{%
4392 \hsize\marginparwidth
4393 \@parboxrestore
4394 \@bidituftesidenotemarginparreset
4395 #2%
4396 \@minipagefalse
4397 \outer@nobreak
4398 }%
4399 \color@endbox
4400 }
4401 \def \@bidituftesidenotemarginparreset {%
4402 \reset@font
4403 \normalsize
4404 \@minipagetrue
4405 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4406 }
4407 \def\LTRbidituftesidenotemarginpar{%
4408 \ifhmode
4409 \@bsphack
4410 \@floatpenalty -\@Mii
4411 \else
4412 \@floatpenalty -\@Miii
4413 \fi
4414 \ifinner
4415 \@parmoderr
4416 \@floatpenalty\z@
4417 \else
4418 \@next\@currbox\@freelist{}\{}%
4419 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4420 {\@floatpenalty\z@
4421 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4422 \fi

```



```

4423 \ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4424 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4425 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4426 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4427 \@xympar}
4428 \long\def\@LTRbidityftesidenoteympar#1{%
4429 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4430 \global\setbox\@currbox\copy\@marbox
4431 \@xympar}
4432 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4433 \global\setbox #1%
4434 \color@vbox
4435 \vtop{%
4436 \hsize\marginparwidth
4437 \@parboxrestore
4438 \@LTRbidityftesidenotemarginparreset
4439 #2%
4440 \@minipagefalse
4441 \outer@nobreak
4442 }%
4443 \color@endbox
4444 }
4445 \def \@LTRbidityftesidenotemarginparreset {%
4446 \reset@font
4447 \normalsize
4448 \@minipagetrue
4449 \everypar{\@minipagefalse\everypar{}\beginL}%
4450 }
4451 \def\RTLbidityftesidenotemarginpar{%
4452 \ifhmode
4453 \@bsphack
4454 \@floatpenalty -\@Mii
4455 \else
4456 \@floatpenalty-\@Miii
4457 \fi
4458 \ifinner
4459 \@parmoderr
4460 \@floatpenalty\z@
4461 \else
4462 \@next\@currbox\@freelist{}\}%
4463 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4464 {\@floatpenalty\z@
4465 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4466 \fi
4467 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4468 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4469 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4470 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4471 \@xympar}
4472 \long\def\@RTLbidityftesidenoteympar#1{%

```



```

4473 \RTLbidityftesidenotesavemarbox\@marbox{#1}%
4474 \global\setbox\@currbox\copy\@marbox
4475 \xympar}
4476 \long\def \RTLbidityftesidenotesavemarbox #1#2{%
4477 \global\setbox #1%
4478 \color@vbox
4479 \vtop{%
4480 \hsize\marginparwidth
4481 \@parboxrestore
4482 \RTLbidityftesidenotemarginparreset
4483 #2%
4484 \@minipagefalse
4485 \outer@nobreak
4486 }%
4487 \color@endbox
4488 }
4489 \def \RTLbidityftesidenotemarginparreset {%
4490 \reset@font
4491 \normalsize
4492 \@minipagetrue
4493 \everypar{\@minipagefalse\everypar{}\beginR}%
4494 }
4495 \newcommand{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4496 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4497 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4498 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4499 \newcommand*{\@bidityfteLTRsidenote@citation@font}{\@bidityftesidenote@marginfont}
4500 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4501 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4502 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4503 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityfteLTRsidenote@citation@font}{#1}}
4504 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@au}
4505 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@au}
4506 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@au}
4507 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4508 \newcommand{\@bidityftesidenote@margin@par}{%
4509 \setlength{\RaggedRightParindent}{0.5pc}%
4510 \setlength{\JustifyingParindent}{0.5pc}%
4511 \setlength{\parindent}{0.5pc}%
4512 \setlength{\parskip}{0pt}%
4513 }
4514 %%
4515 % Globally sets the length
4516 \ifundefined{gsetlength}{%
4517 \newcommand*{gsetlength}[2]{%
4518 \setlength{#1}{#2}%
4519 \global#1=#1\relax%
4520 }%
4521 }{}
4522

```



```

4523 %%
4524 % A function that removes leading and trailing spaces from the supplied macro.
4525 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4526 % Executing \@bidityftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4527 % being trimmed of leading and trailing white space.
4528 \catcode\Q=3
4529 \def\@bidityftesidenote@trim@spaces#1{%
4530 % Use grouping to emulate a multi-token afterassignment queue
4531 \begingroup%
4532 % Put ``\toks 0 {' into the afterassignment queue
4533 \aftergroup\toks\aftergroup0\aftergroup{%
4534 % Apply \trimb to the replacement text of #1, adding a leading
4535 % \noexpand to prevent brace stripping and to serve another purpose
4536 % later.
4537 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4538 % Transfer the trimmed text back into #1.
4539 \edef#1{\the\toks0}%
4540 }
4541 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4542 % clean up any leftover bizarre Qs, and trim a leading space. In
4543 % order for \trimc to work properly we need to put back a Q first.
4544 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4545 % Execute \vfuzz assignment to remove leading space; the \noexpand
4546 % will now prevent unwanted expansion of a macro or other expandable
4547 % token at the beginning of the trimmed text. The \endgroup will feed
4548 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4549 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4550 \catcode\Q=11
4551 %%
4552 % Citations should go in the margin as sidenotes
4553
4554 \RequirePackage{natbib}
4555 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environment
4556 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4557 \renewcommand\BR@b@bibitem[2] []{%
4558 \ifthenelse{\isempty{#1}}{%
4559 {\BR@bibitem{#2}}%
4560 {\BR@bibitem[#1]{#2}}%
4561 \BR@c@bibitem{#2}%
4562 }
4563 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4564 %%
4565 % Normal \cite behavior
4566 \newcounter{@bidityftesidenote@num@bibkeys}%
4567 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
4568 % Snag the last bibentry in the list for later comparison
4569 \let\@temp@last@bibkey\@empty%
4570 \for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4571 \sidenote[] [#1]{%
4572 % Loop through all the bibentries, separating them with semicolons and spaces

```





```

4573 \normalsize\normalfont\@bidityftesidenote@citation@font%
4574 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4575 \@for\@temp@bibkeyx:=#2\do{%
4576   \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4577   {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\}%
4578   \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4579   \bibentry{\@temp@bibkeyx}}%
4580   {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4581   \bibentry{\@temp@bibkeyx};\}%
4582   \stepcounter{@bidityftesidenote@num@bibkeys}%
4583   }%
4584 }%
4585 }
4586 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
4587   % Snag the last bibentry in the list for later comparison
4588   \let\@temp@last@bibkey\empty%
4589   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4590   \LTRsidenote[] [#1]{%
4591     % Loop through all the bibentries, separating them with semicolons and spaces
4592     \normalsize\normalfont\@bidityfteLTRsidenote@citation@font%
4593     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4594     \@for\@temp@bibkeyx:=#2\do{%
4595       \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4596       {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\}%
4597       \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4598       \bibentry{\@temp@bibkeyx}}%
4599       {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4600       \bibentry{\@temp@bibkeyx};\}%
4601       \stepcounter{@bidityftesidenote@num@bibkeys}%
4602       }%
4603     }%
4604   }
4605 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
4606   % Snag the last bibentry in the list for later comparison
4607   \let\@temp@last@bibkey\empty%
4608   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4609   \RTLsidenote[] [#1]{%
4610     % Loop through all the bibentries, separating them with semicolons and spaces
4611     \normalsize\normalfont\@bidityftesidenote@citation@font%
4612     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4613     \@for\@temp@bibkeyx:=#2\do{%
4614       \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4615       {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\}%
4616       \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4617       \bibentry{\@temp@bibkeyx}}%
4618       {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4619       \bibentry{\@temp@bibkeyx};\}%
4620       \stepcounter{@bidityftesidenote@num@bibkeys}%
4621       }%
4622     }%

```



```

4623 }
4624 %%
4625 % Macros for holding the list of cite keys until after the \sidenote
4626 \gdef\@bidityftesidenote@citations{}% list of cite keys
4627 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite key
4628 \ifx\@bidityftesidenote@citations\@empty\else
4629 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4630 \fi
4631 \g@addto@macro\@bidityftesidenote@citations{#1}
4632 }
4633 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4634 % Snag the last bibentry in the list for later comparison
4635 \let\@temp@last@bibkey\@empty%
4636 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4637 \marginpar{%
4638 \hbox{}\vspace*{#1}%
4639 \@bidityftesidenote@citation@font%
4640 \@bidityftesidenote@citation@justification%
4641 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4642 \vspace*{-1\baselineskip}%
4643 % Loop through all the bibentries, separating them with semicolons and spaces
4644 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4645 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4646 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4647 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4648 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4649 \bibentry{\@temp@bibkeyx}}%
4650 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4651 \bibentry{\@temp@bibkeyx};\ }%
4652 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4653 }%
4654 }%
4655 }
4656 %%
4657 % \cite behavior when executed within a sidenote
4658 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4659 \newcommand{\@bidityftesidenote@footnote@cite}[1]{%
4660 \@bidityftesidenote@add@citation{#1}
4661 }
4662 %%
4663 % Set the default \cite style. This is set and reset by the \sidenote command.
4664 \let\cite\@bidityftesidenote@normal@cite
4665 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
4666 \let\RTLcite\@bidityfteRTLsidenote@normal@cite
4667 %%
4668 % Transform existing \footnotes into \sidenotes
4669 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
4670 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4671 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@
4672 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@

```



```

4673 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4674 % sidenote's text block.
4675 \bidi@patch@AfterPackage{bidi}{\long\def\@makefntext#1{\@textsuperscript{\@bidiuftesidenote@
4676 % Set the in-text footnote mark in the same typeface as the body text itself.
4677 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotes
4678 \providecommand*\multiplefootnotemarker}{3sp}
4679 \providecommand*\multfootsep}{,}
4680 \bidi@patch@AfterPackage{bidi}{%
4681 \renewcommand{\@footnotemark}{%
4682 \leavevmode%
4683 \ifhmode%
4684 \edef\@x@sf{\the\spacefactor}%
4685 \@bidiuftesidenote@check@multiple@sidenotes%
4686 \nobreak%
4687 \fi%
4688 \@makefnmark%
4689 \ifhmode\spacefactor\@x@sf\fi%
4690 \relax%
4691 }%
4692 }
4693 \newcommand{\@bidiuftesidenote@check@multiple@sidenotes}{%
4694 \ifdim\lastkern=\multiplefootnotemarker\relax%
4695 \edef\@x@sf{\the\spacefactor}%
4696 \unkern%
4697 \textsuperscript{\multfootsep}%
4698 \spacefactor\@x@sf\relax%
4699 \fi
4700 }
4701 \bidi@patch@AfterPackage{bidi}{%
4702 \renewcommand\@footnotetext[2][0pt]{%
4703 \bidiuftesidenotemarginpar{%
4704 \hbox{} \vspace*{#1}%
4705 \def\baselinestretch {\setspace@singlespace}%
4706 \reset@font\footnotesize%
4707 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
4708 \vspace*{-1\baselineskip}\noindent%
4709 \protected@edef\@currentlabel{%
4710 \csname p@footnote\endcsname\@thefnmark%
4711 }%
4712 \color@begingroup%
4713 \makefntext{%
4714 \ignorespaces#2%
4715 }%
4716 \color@endgroup%
4717 }%
4718 }%
4719 \renewcommand\@LTRfootnotetext[2][0pt]{%
4720 \LTRbidiuftesidenotemarginpar{%
4721 \hbox{} \vspace*{#1}%
4722 \def\baselinestretch {\setspace@singlespace}%

```



```

4723 \reset@font\footnotesize%
4724 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
4725 \vspace*{-1\baselineskip}\noindent%
4726 \protected@edef\@currentlabel{%
4727 \csname p@footnote\endcsname\@thefnmark%
4728 }%
4729 \color@begingroup%
4730 \makefnmark{%
4731 \ignorespaces#2%
4732 }%
4733 \color@endgroup%
4734 }%
4735 }%
4736 \renewcommand\@RTLfootnotetext[2][Opt]{%
4737 \RTLbidiuftesidenotemarginpar{%
4738 \hbox{}\vspace*{#1}%
4739 \def\baselinestretch {\setspace@singlespace}%
4740 \reset@font\footnotesize%
4741 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
4742 \vspace*{-1\baselineskip}\noindent%
4743 \protected@edef\@currentlabel{%
4744 \csname p@footnote\endcsname\@thefnmark%
4745 }%
4746 \color@begingroup%
4747 \makefnmark{%
4748 \ignorespaces#2%
4749 }%
4750 \color@endgroup%
4751 }%
4752 }%
4753 }
4754 %
4755 % Define \sidenote command. Can handle \cite.
4756 \newlength{\@bidiuftesidenote@sidenote@vertical@offset}
4757 \setlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}
4758 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4759 \long\def\@bidiuftesidenote@sidenote[#1][#2]#3{%
4760 \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
4761 \gdef\@bidiuftesidenote@citations{}% clear out any old citations
4762 \ifthenelse{\NOT\isempty{#2}}{%
4763 \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
4764 }{%
4765 \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
4766 }%
4767 \ifthenelse{\isempty{#1}}{%
4768 % no specific footnote number provided
4769 \stepcounter\mpfn%
4770 \protected@xdef\@thefnmark{\thempfn}%
4771 \@footnotemark\@footnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4772 }{%

```



```

4773 % specific footnote number provided
4774 \begingroup%
4775   \csname c@{\mpfn}\endcsname #1\relax%
4776   \unrestored@protected@xdef\@thefnmark{\thempfn}%
4777 \endgroup%
4778 \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4779 }%
4780 \@bidituftesidenote@print@citations%          print any citations
4781 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite command
4782 \let\LTRcite\@bidituftesidenote@normal@cite%   go back to using normal in-text \LTRcite c
4783 \let\RTLcite\@bidituftesidenote@normal@cite%    go back to using normal in-text \RTLcite c
4784 \unskip\ignorespaces%                          remove extra white space
4785 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
4786 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4787 }
4788 \long\def\@LTRbidituftesidenote@sidenote[#1][#2]#3{%
4789 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4790 \gdef\@bidituftesidenote@citations{}%          clear out any old citations
4791 \ifthenelse{\NOT\isempty{#2}}{%
4792   \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4793 }{%
4794   \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4795 }%
4796 \ifthenelse{\isempty{#1}}{%
4797   % no specific footnote number provided
4798   \stepcounter\mpfn%
4799   \protected@xdef\@thefnmark{\thempfn}%
4800   \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4801 }{%
4802   % specific footnote number provided
4803   \begingroup%
4804     \csname c@{\mpfn}\endcsname #1\relax%
4805     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4806   \endgroup%
4807   \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4808 }%
4809 \@bidituftesidenote@print@citations%          print any citations
4810 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite command
4811 \let\LTRcite\@bidituftesidenote@normal@cite%    go back to using normal in-text \LTRcite c
4812 \let\RTLcite\@bidituftesidenote@normal@cite%    go back to using normal in-text \RTLcite c
4813 \unskip\ignorespaces%                          remove extra white space
4814 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
4815 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4816 }
4817 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
4818 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4819 \gdef\@bidituftesidenote@citations{}%          clear out any old citations
4820 \ifthenelse{\NOT\isempty{#2}}{%
4821   \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4822 }{%

```



```

4823 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4824 }%
4825 \ifthenelse{\isempty{#1}}{%
4826 % no specific footnote number provided
4827 \stepcounter\@mpfn%
4828 \protected@xdef\@thefnmark{\thempfn}%
4829 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4830 }{%
4831 % specific footnote number provided
4832 \begingroup%
4833 \csname c@\@mpfn\endcsname #1\relax%
4834 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4835 \endgroup%
4836 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4837 }%
4838 \@bidituftesidenote@print@citations% print any citations
4839 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4840 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite c
4841 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite c
4842 \unskip\ignorespaces% remove extra white space
4843 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4844 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4845 }
4846 \newcommand{\sidenote}{\@optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
4847 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
4848 \newcommand{\RTLsidenote}{\@optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
4849 \bidi@patch@AfterPackage{bidi}{%
4850 \renewcommand{\footnote}{\@optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
4851 \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
4852 \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%
4853 }
4854 %%
4855 % Sidenote without the footnote mark
4856 \newcommand\marginnote[2] [Opt] {%
4857 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4858 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4859 \bidituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidituftesidenote@marginnote@font\@bidituft
4860 \@bidituftesidenote@print@citations% print any citations
4861 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4862 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite c
4863 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite c
4864 }
4865 \newcommand\LTRmarginnote[2] [Opt] {%
4866 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4867 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4868 \LTRbidituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidituftesidenote@marginnote@font\@bidit
4869 \@bidituftesidenote@print@citations% print any citations
4870 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4871 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite c
4872 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite c

```



```

4873 }
4874 \newcommand\RTLmarginnote[2][Opt]{%
4875   \let\cite\@bidiuftesidenote@infootnote@cite%   use the in-sidenote \cite command
4876   \gdef\@bidiuftesidenote@citations{}%          clear out any old citations
4877   \RTLbidiuftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidiuftesidenote@marginnote@font\@bidi
4878   \@bidiuftesidenote@print@citations%            print any citations
4879   \let\cite\@bidiuftesidenote@normal@cite%        go back to using normal in-text \cite command
4880   \let\LTRcite\@bidiufteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite c
4881   \let\RTLcite\@bidiufteRTLsidenote@normal@cite%  go back to using normal in-text \RTLcite c
4882 }

```

## 7.24 bidiuftetoc.sty

```

4883 \NeedsTeXFormat{LaTeX2e}
4884 \ProvidesPackage{bidiuftetoc}[2011/06/17 v0.1
4885 bidi implementation of tuftes toc]
4886 \RequirePackage{titlesec,titletoc,xifthen,biditools}
4887 \newcommand{\@bidiuftetoc@pkgname}{bidiuftetoc}
4888 \newcommand{\bidiuftetocError}[2]{\PackageError{\@bidiuftetoc@pkgname}{#1}{#2}}
4889 %%
4890 % Turn off section numbering
4891 \setcounter{secnumdepth}{-1}
4892 \newboolean{@bidiuftetoc@toc}
4893 \setboolean{@bidiuftetoc@toc}{true}
4894 \DeclareOption{notoc}{\setboolean{@bidiuftetoc@toc}{false}}
4895 \DeclareOption{toc}{\setboolean{@bidiuftetoc@toc}{true}}
4896 \ProcessOptions
4897 %%
4898 % Make Tufte-style section headings and TOC formatting
4899 \bidi@patch@AfterPackage{bidi}{%
4900 \titleformat{\chapter}%
4901   [display]% shape
4902   {\relax\ifthenelse{\NOT\boolean{@bidiuftefloat@symmetric}}{\begin{fullwidth}}{}}% format ap
4903   {\itshape\huge\thechapter}% label
4904   {0pt}% horizontal separation between label and title body
4905   {\huge\rmfamily\itshape}% before the title body
4906   [\ifthenelse{\NOT\boolean{@bidiuftefloat@symmetric}}{\end{fullwidth}}{}}% after the title bo
4907 \titleformat{\section}%
4908   [hang]% shape
4909   {\normalfont\Large\itshape}% format applied to label+text
4910   {\thesecount}% label
4911   {1em}% horizontal separation between label and title body
4912   {}% before the title body
4913   []% after the title body
4914 \titleformat{\subsection}%
4915   [hang]% shape
4916   {\normalfont\large\itshape}% format applied to label+text
4917   {\thesubsection}% label
4918   {1em}% horizontal separation between label and title body
4919   {}% before the title body

```



```

4920 []% after the title body
4921 \titleformat{\paragraph}%
4922 [runin]% shape
4923 {\normalfont\itshape}% format applied to label+text
4924 {\theparagraph}% label
4925 {1em}% horizontal separation between label and title body
4926 {}% before the title body
4927 []% after the title body
4928 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4929 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4930 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4931 }
4932 % Subsubsection and following section headings shouldn't be used.
4933 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4934 \renewcommand\subsubsection{%
4935 \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
4936 \MessageBreak See Robert Bringhurst's _The Elements of
4937 \MessageBreak Typographic Style_, section 4.2.2.
4938 \MessageBreak \noexpand\subsubsection was used}
4939 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4940 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4941 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
4942 }
4943 \renewcommand\subparagraph{%
4944 \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
4945 \MessageBreak See Robert Bringhurst's _The Elements of
4946 \MessageBreak Typographic Style_, section 4.2.2.
4947 \MessageBreak \noexpand\subparagraph was used}
4948 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4949 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4950 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
4951 }
4952 % Formatting for main TOC (printed in front matter)
4953 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4954 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
4955 \bidi@patch@AfterPackage{bidi}{%
4956 \titlecontents{part}% FIXME
4957 [0em] % distance from left margin
4958 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4959 {\contentslabel{2em}} % before w/label (label = ``II'')
4960 {} % before w/o label
4961 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4962 [\end{fullwidth}] % after
4963 \titlecontents{chapter}%
4964 [0em] % distance from left margin
4965 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4966 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4967 {\hspace*{0em}} % before w/o label
4968 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4969 [\end{fullwidth}] % after

```





```

4970 \titlecontents{section}% FIXME
4971 [0em] % distance from left margin
4972 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting
4973 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4974 {\hspace*{2em}} % before w/o label
4975 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4976 [\end{fullwidth}] % after
4977 \titlecontents{subsection}% FIXME
4978 [0em] % distance from left margin
4979 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting
4980 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4981 {\hspace*{4em}} % before w/o label
4982 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4983 [\end{fullwidth}] % after
4984 \titlecontents{paragraph}% FIXME
4985 [0em] % distance from left margin
4986 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global forma
4987 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4988 {\hspace*{6em}} % before w/o label
4989 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4990 [\end{fullwidth}] % after
4991 }%
4992 }{}
4993 %%
4994 % Format lists of figures/tables
4995 \renewcommand\listoffigures{%
4996   \@ifundefined{chapter}%
4997     {\section*{\listfigurename}}%
4998     {\chapter*{\listfigurename}}%
4999 % \begin{fullwidth}%
5000   \@starttoc{lof}%
5001 % \end{fullwidth}%
5002 }
5003 \renewcommand\listoftables{%
5004   \@ifundefined{chapter}%
5005     {\section*{\listtablename}}%
5006     {\chapter*{\listtablename}}%
5007 % \begin{fullwidth}%
5008   \@starttoc{lot}%
5009 % \end{fullwidth}%
5010 }
5011 \newcommand{\@biditytetoc@lof@line}[2]{%
5012   % #1 is the figure/table number and its caption text
5013   % #2 is the page number on which the figure/table appears
5014   \leftskip 0.0em
5015   \rightskip 0em
5016   \parfillskip 0em plus 1fil
5017   \parindent 0.0em
5018   \@afterindenttrue
5019   \interlinepenalty\@M

```



```

5020 \leavevmode
5021 \@tempdima 2.0em
5022 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5023 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5024 {#1}\nobreak\quad\nobreak#2%
5025 \par%
5026 }
5027 \renewcommand*\l@figure{\@bidiuftetoc@lof@line}
5028 \let\l@table\l@figure

```

## 7.25 bidiuftegeneralstructure.sty

```

5029 \NeedsTeXFormat{LaTeX2e}
5030 \ProvidesPackage{bidiuftegeneralstructure}[2011/06/18 v0.1
5031 bidi implementation of tufte general structure]
5032 \renewcommand\small{%
5033   \@setfontsize\small\@ixpt{12}%
5034   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5035   \abovedisplayshortskip \z@ \@plus2\p@
5036   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5037   \def\@listi{\leftmargin\leftmargini
5038             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5039             \parsep 2\p@ \@plus\p@ \@minus\p@
5040             \itemsep \parsep}%
5041   \belowdisplayskip \abovedisplayskip
5042 }
5043 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5044 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5045 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5046 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5047 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5048 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5049 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5050 \setlength\leftmargini {1pc}
5051 \setlength\leftmarginii {1pc}
5052 \setlength\leftmarginiii {1pc}
5053 \setlength\leftmarginiv {1pc}
5054 \setlength\leftmarginv {1pc}
5055 \setlength\leftmarginvi {1pc}
5056 \setlength\labelsep {.5pc}
5057 \setlength\labelwidth {\leftmargini}
5058 \addtolength\labelwidth{-\labelsep}
5059 \setlength{\parindent}{1.0pc}%
5060 \setlength{\parskip}{0pt}%
5061 \RequirePackage{ragged2e}
5062 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5063 % Paragraph indentation and separation for normal text
5064 \newcommand{\@bidiuftegeneralstructure@reset@par}{%
5065   \setlength{\RaggedRightParindent}{1.0pc}%
5066   \setlength{\JustifyingParindent}{1.0pc}%

```



```

5067 \setlength{\parindent}{1pc}%
5068 \setlength{\parskip}{0pt}%
5069 }
5070 \@bidiufttegeneralstructure@reset@par
5071 % Require paralist package for tighter lists
5072 \RequirePackage{paralist}
5073 % Add rightmargin to compactenum
5074 \def\@compactenum{%
5075 \expandafter\list\csname label\@enumctr\endcsname{%
5076 \usecounter{\@enumctr}%
5077 \rightmargin=2em% added this
5078 \parsep\plparsep
5079 \itemsep\plitemsep
5080 \topsep\pltopsep
5081 \partopsep\plpartopsep
5082 \def\makelabel##1{\hss\llap{##1}}}}
5083 %%
5084 % An environment for paragraph-style section
5085 \providecommand\newthought[1]{%
5086 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5087 \noindent\textbf{#1}%
5088 }
5089 %%
5090 % Redefine the display environments (quote, quotation, etc.)
5091 \renewenvironment{verse}
5092 {\let\\\@centercr
5093 \list{}\itemsep \z@
5094 \itemindent -1pc%
5095 \listparindent\itemindent
5096 \rightmargin \leftmargin
5097 \advance\leftmargin 1pc}%
5098 \small%
5099 \item\relax}
5100 {\endlist}
5101 \renewenvironment{quotation}
5102 {\list{}\listparindent 1pc%
5103 \itemindent \listparindent
5104 \rightmargin \leftmargin
5105 \parsep \z@ \@plus\p@}%
5106 \small%
5107 \item\relax\noindent\ignorespaces}
5108 {\endlist}
5109 \renewenvironment{quote}
5110 {\list{}\rightmargin\leftmargin}%
5111 \small%
5112 \item\relax}
5113 {\endlist}
5114 % Italicize description run-in headings (instead of the default bold)
5115 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5116 %%

```



```

5117 % Redefine \bibsection to not mark the running heads.
5118 % (Code modified from natbib.sty.)
5119 \@ifundefined{chapter}%
5120   {\renewcommand\bibsection{\section*{\refname}}}
5121   {\@ifundefined{NAT@sectionbib}%
5122     {\renewcommand\bibsection{\chapter{\bibname}}}
5123     {\renewcommand\bibsection{\section*{\bibname}}}}
5124 \RequirePackage{multicol}
5125 \renewenvironment{theindex}{%
5126   \@ifundefined{chapter}%
5127     {\section*{\indexname}}%
5128     {\chapter{\indexname}}%
5129   \begin{fullwidth}%
5130   \small%
5131   \parskip0pt%
5132   \parindent0pt%
5133   \let\item\@idxitem%
5134   \begin{multicols}{3}%
5135   }{%
5136   \end{multicols}%
5137   \end{fullwidth}%
5138 }
5139 \AtBeginDocument{%
5140 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5141 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5142 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}
5143 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5144 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

## 7.26 bidentuftehyperref.sty

```

5145 \NeedsTeXFormat{LaTeX2e}
5146 \ProvidesPackage{bidentuftehyperref}[2011/06/18 v0.1
5147 bidi implementation of tufte hyperref]
5148 %%
5149 % Color
5150 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5151 \newboolean{@bidentuftehyperref@loadhyper}
5152 \setboolean{@bidentuftehyperref@loadhyper}{true}
5153 \DeclareOption{hyper}{\setboolean{@bidentuftehyperref@loadhyper}{true}}
5154 \DeclareOption{nohyper}{\setboolean{@bidentuftehyperref@loadhyper}{false}}
5155 \ProcessOptions
5156 %% Loads the hyperref package and sets some default options.
5157 \newcommand{\bidentuftehyperrefLoadHyperref}{%
5158 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5159 \hypersetup{%
5160   bookmarksdepth = section,
5161   citecolor = DarkGreen,
5162   linkcolor = DarkBlue,
5163   pagecolor = DarkBlue,

```



```

5164     urlcolor = DarkGreen,
5165 }%
5166 }
5167 \ifthenelse{\boolean{@biditytfttehyperref@loadhyper}}{%
5168   \biditytfttehyperrefLoadHyperref%
5169 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5170   \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5171 }

```

## 7.27 biditytfttitle.sty

```

5172 \NeedsTeXFormat{LaTeX2e}
5173 \ProvidesPackage{biditytfttitle}[2011/06/18 v0.1
5174 bidi implementation of tufte title]
5175 \RequirePackage{biditytools}
5176 %%
5177 % 'titlepage' option -- creates a full title page with \maketitle
5178 \newboolean{@biditytfttitle@titlepage}
5179 \DeclareOption{titlepage}{\setboolean{@biditytfttitle@titlepage}{true}}
5180 \DeclareOption{notitlepage}{\setboolean{@biditytfttitle@titlepage}{false}}
5181 % Default 'book' and 'handout' options
5182 \@ifclassloaded{book}{%
5183   \ExecuteOptions{titlepage}}{%
5184   \ExecuteOptions{notitlepage}}%
5185 \ExecuteOptions{notitlepage}}%
5186 {}
5187 \ProcessOptions
5188 %%
5189 % Modified \title, \author, and \date commands. These store the
5190 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5191 \newcommand{\plaintitle}{}% plain-text-only title
5192 \newcommand{\plainauthor}{}% plain-text-only author
5193 \newcommand{\plainpublisher}{}% plain-text-only publisher
5194 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5195 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5196 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5197 \newcommand{\@publisher}{}% full publisher with \thanks{}
5198 \newcommand{\thedate}{\today}
5199 \bidi@patch@AfterPackage{bidi}{%
5200   \renewcommand{\thanks}[1]{\footnote{#1}}
5201   \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5202   \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5203 }
5204 \renewcommand{\title}[2][{}]{%
5205   \gdef\@title{#2}%
5206   \begingroup%
5207     % TODO store contents of \thanks command
5208     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5209     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5210     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents

```



```

5211 \protected@xdef\thanklesstitle{#2}%
5212 \endgroup%
5213 \ifthenelse{\isempty{#1}}%
5214 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5215 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5216 \@ifundefined{hypersetup}%
5217 {}% hyperref is not loaded; do nothing
5218 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5219 }
5220 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5221 \renewcommand{\author}[2][]{%
5222 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5223 \begingroup%
5224 % TODO store contents of \thanks command
5225 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5226 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5227 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5228 \protected@xdef\thanklessauthor{#2}%
5229 \endgroup%
5230 \ifthenelse{\isempty{#1}}%
5231 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5232 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5233 \@ifundefined{hypersetup}%
5234 {}% hyperref is not loaded; do nothing
5235 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5236 }
5237 \renewcommand{\date}[1]{%
5238 \gdef\@date{#1}%
5239 \begingroup%
5240 % TODO store contents of \thanks command
5241 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5242 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5243 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5244 \protected@xdef\thedata{#1}%
5245 \endgroup%
5246 }
5247 %%
5248 % Provides a \publisher command to set the publisher
5249 \newcommand{\publisher}[2][]{%
5250 \gdef\@publisher{#2}%
5251 \begingroup%
5252 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5253 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5254 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5255 \protected@xdef\thanklesspublisher{#2}%
5256 \endgroup%
5257 \ifthenelse{\isempty{#1}}%
5258 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5259 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5260 }

```



```

5261 %%
5262 % Produces a full title page
5263 \newcommand{\maketitlepage}[0]{%
5264   \cleardoublepage%
5265   {%
5266     \bfseries%
5267     \begin{fullwidth}%
5268       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5269       \vspace{11.5pc}%
5270       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5271       \vfill%
5272       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5273     \end{fullwidth}%
5274   }
5275   \thispagestyle{empty}%
5276   \clearpage%
5277 }
5278 %%
5279 % Title block
5280 \bidi@AfterEndPreamble{%
5281 \renewcommand{\maketitle}{%
5282   \newpage%
5283   \global\@topnum\z@% prevent floats from being placed at the top of the page
5284   \begin{group}%
5285     \setlength{\parindent}{0pt}%
5286     \setlength{\parskip}{4pt}%
5287     \let\@title\@empty%
5288     \let\@author\@empty%
5289     \let\@date\@empty%
5290     \gdef\@title{\LARGE\itshape\@title\par}%
5291     \gdef\@author{\Large\itshape\@author\par}%
5292     \gdef\@date{\Large\itshape\@date\par}%
5293     \@title%
5294     \@author%
5295     \@date%
5296   \end{group}%
5297   \thispagestyle{plain}% suppress the running head
5298 }%
5299 }
5300 %%
5301 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5302 % class.)
5303 \bidi@AfterEndPreamble{%
5304 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5305   {\renewcommand{\maketitle}{\maketitlepage}}
5306   {}
5307 }
5308 %%
5309 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5310 % without headers and footers

```



```

5311 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5312   \hbox{}
5313   %\vspace*{\fill}
5314   %\begin{center}
5315   % This page intentionally contains only this sentence.
5316   %\end{center}
5317   %\vspace{\fill}
5318   \thispagestyle{empty}
5319   \newpage
5320   \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

## 7.28 bidentufte-handout.cls

```

5321 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5322 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5323 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5324 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5325 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5326 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5327 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5328 \ProcessOptions\relax
5329 \LoadClass{article}
5330 \RequirePackage{bidentuftefloat}
5331 \RequirePackage{bidentuftesidenote}
5332 \RequirePackage{bidentuftetoc}
5333 \RequirePackage{bidentuftegeneralstructure}
5334 \RequirePackage{bidentuftehyperref}
5335 \RequirePackage{bidentuftetitle}
5336 \renewenvironment{abstract}
5337   {\begin{quotation}}
5338   {\end{quotation}}
5339 \AtBeginDocument{%
5340 \IfFileExists{bidentufte-handout.cfg}
5341   {\input{bidentufte-handout.cfg}
5342   \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
5343   {}%
5344 }

```

## 7.29 bidentufte-book.cls

```

5345 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5346 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
5347 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5348 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5349 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5350 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5351 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5352 \ProcessOptions\relax
5353 \LoadClass{book}
5354 \RequirePackage{bidentuftefloat}
5355 \RequirePackage{bidentuftesidenote}

```





```

5356 \RequirePackage{bidiuftetoc}
5357 \RequirePackage{bidiuftegeneralstructure}
5358 \RequirePackage{bidiuftehyperref}
5359 \RequirePackage{bidiuftetitle}
5360 %%
5361 % Set up any book-specific stuff now
5362 %%
5363 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5364 % to the opening page of Chapter 1. The running heads, when they appear,
5365 % contain only the (arabic) page number in the outside corner.
5366 %\newif\if@mainmatter \@mainmattertrue
5367 \renewcommand\frontmatter{%
5368   \cleardoublepage%
5369   \@mainmatterfalse%
5370   \pagenumbering{arabic}%
5371   %\pagestyle{plain}%
5372   \fancyhf{}%
5373   \ifthenelse{\boolean{@bidiuftefloat@twoside}}%
5374     {\fancyhead[LE,RO]{\thepage}}%
5375     {\fancyhead[RE,RO]{\thepage}}%
5376 }
5377 %%
5378 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5379 % numbering---it continues where it left off in the front matter.
5380 \renewcommand\mainmatter{%
5381   \cleardoublepage%
5382   \@mainmattertrue%
5383   \fancyhf{}%
5384   \ifthenelse{\boolean{@bidiuftefloat@twoside}}%
5385     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5386     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5387     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5388     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5389 }
5390 %%
5391 % The back matter contains appendices, indices, glossaries, endnotes,
5392 % bibliographies, list of contributors, illustration credits, etc.
5393 \renewcommand\backmatter{%
5394   \if@openright%
5395     \cleardoublepage%
5396   \else%
5397     \clearpage%
5398   \fi%
5399   \@mainmatterfalse%
5400 }
5401 %%
5402 % Only show the chapter titles in the table of contents
5403 \setcounter{tocdepth}{0}
5404 \AtBeginDocument{%
5405   \IfFileExists{bidiufte-book.cfg}

```



```

5406 {\input{biditufte-book.cfg}
5407 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5408 {}%
5409 }

```

## 7.30 bidipoem.sty

```

5410 \NeedsTeXFormat{LaTeX2e}
5411 \ProvidesPackage{bidipoem}%
5412 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5413
5414 % Usage:
5415 %
5416 % \Setversedim #1#2 % define the layout (within a group):
5417 % #1 = length of both half-verses
5418 % #2 = separation distance = length of a connection, if present
5419 % Variant:
5420 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5421 % #1 = length of first (=right) half-verse
5422 % #2 = length of second (=left) half-verse
5423 % #3 = separation distance = length of a connection, if present
5424 %
5425 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5426 % #1 = text of first (=right) half-verse
5427 % #2 = text of second (=left) half-verse
5428 % Variant:
5429 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5430 % #1 = text of first (=right) half-verse
5431 % #2 = text of connection
5432 % #3 = text of second (=left) half-verse
5433 %
5434 % Alternative (if preferred):
5435 %
5436 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5437
5438
5439 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5440
5441 % define the layout, verses will be centered
5442
5443 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5444 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5445
5446 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5447 \bidipoem@hvind \textwidth
5448 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5449 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
5450 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5451
5452 \def \bidipoem@set@verseI [#1]{% optional parameter

```



```

5453 \bidipoem@hvlen #1\relax \bidipoem@set@verse }
5454
5455 \newcommand*{\bidipoem@set@verse}[1]{% separation
5456 \advance \bidipoem@hvind -\bidipoem@hvlen \bidipoem@hvsep #1\relax
5457 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5458
5459 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5460 \ifdim Opt > \bidipoem@hvind %
5461 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5462 \else
5463 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5464 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5465 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
5466 \par }
5467
5468 % macro for two half verses
5469 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5470 \ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
5471 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5472 \bidipoem@half@verses@next}
5473
5474 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5475 \traditionalconnverses {#1}{#2}{#3}}
5476
5477
5478 {\catcode\^M=\active % these lines must end with %
5479 \gdef\traditionalpoem@obeylines{\catcode\^M=\active \let^M\traditionalpoem@par}%
5480 \global\let^M\traditionalpoem@par} % this is in case ^M appears in a \write
5481 {\catcode\^M=\active % these lines must end with %
5482 \gdef\modernpoem@obeylines{\catcode\^M=\active \let^M\modernpoem@par}%
5483 \global\let^M\modernpoem@par} % this is in case ^M appears in a \write
5484 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5485 \def\poemmarginskip{1em plus 1fil minus 1em}
5486 \def\poemextrabaselineskip{0\baselineskip}
5487 \def\poemskip{\medskip}
5488 \newcommand{\bidipoem@openbox}{\leavevmode
5489 \hbox to.77778em{%
5490 \hfil\vrule
5491 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5492 \vrule\hfil}}
5493 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5494 \newdimen\versewidth
5495 \newtoks\bidipoem@p@ftn
5496 \def\poem@verse#1{%
5497 \ifdim\wd#1>\new@poem@width
5498 \xdef\new@poem@width{\the\wd#1}%
5499 \ifdim\new@poem@width>\poem@width
5500 \xdef\poem@width{\new@poem@width}%
5501 \global\let\poem@needrun\relax
5502 \fi

```



```

5503 \fi
5504 \hbox to\poem@width{\unhbox#1}%
5505 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5506 }
5507 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmargin\skip\relax}
5508 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
5509 \def\poem@lineversesep{%
5510 \nobreak
5511 \hskip\z@ plus 1filll%
5512 \penalty600%
5513 \hskip\poemcolsepskip
5514 \hskip\z@ plus -2filll%
5515 \vadjust{}}%
5516 \nobreak
5517 \hskip\z@ plus 1filll%
5518 }
5519 \def\poem@lineparsebegin{%
5520 \halign\bgroup
5521 \global\setbox\verse@i=\hbox{%
5522 \let\@footnotetext\bidipoem@p@ftntext%
5523 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5524 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5525 \let\@xfootnotenext\bidipoem@p@xftntext%
5526 \let\@xfootnote\bidipoem@p@xfootnote%
5527 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5528 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5529 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5530 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5531 \ignorespaces##\unskip}&&
5532 \global\setbox\verse@ii=\hbox{%
5533 \let\@footnotetext\bidipoem@p@ftntext%
5534 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5535 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5536 \let\@xfootnotenext\bidipoem@p@xftntext%
5537 \let\@xfootnote\bidipoem@p@xfootnote%
5538 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5539 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5540 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5541 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5542 \ignorespaces##\unskip}
5543 \cr
5544 }
5545 \def\poem@lineparseend{%
5546 \crr\egroup
5547 \vskip-\baselineskip
5548 }
5549 \def\traditionalpoem@cr{%
5550 \cr\poem@line
5551 }
5552 \newbox\verse@i

```



```

5553 \newbox\verse@ii
5554 \newif\ifpoem@started
5555
5556 \def\poem@line{%
5557 \poem@lineparseend
5558 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5559 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5560 \ifpoem@started
5561 \ifdim\wd\verse@ii>\z@\else
5562 \nopagebreak[3]
5563 \fi
5564 \leavevmode
5565 \poem@linebegin
5566 \poem@verse\verse@i
5567 \ifdim\wd\verse@ii>\z@
5568 \poem@lineversesep
5569 \poem@verse\verse@ii
5570 \fi
5571 \poem@lineend
5572 % \nopagebreak
5573 \par
5574 \vskip\poemextrabaseskip
5575 \fi
5576 \poem@lineparsebegin
5577 }
5578 \def\@traditionalpoem{%
5579 \stepcounter{poem@no}
5580 \ifnum\max@poem@no<\number\c@poem@no%
5581 \xdef\poem@width{\z@}%
5582 \else
5583 \xdef\poem@width{\poem@prop{poem@width}}%
5584 \fi
5585 \xdef\new@poem@width{\z@}%
5586 \global\versewidth=\poem@width

5587 \poemskip\par
5588 \begingroup
5589 \tabskip=\z@
5590 \parskip=\z@
5591 \parindent=\z@
5592 \parfillskip=\z@
5593 \rightskip=\z@
5594 \leftskip=\z@
5595 \widowpenalty=10000% No break between verses of the same line.
5596 \clubpenalty=10000% Same as above. Not really needed.
5597 \def\newblock{\hfil\poemblocksep\hfil\null}%
5598 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5599 \def\{\{\global\poem@startedtrue\traditionalpoem@cr}%
5600 \global\poem@startedfalse
5601 \csname poem@obeylines\endcsname

```



```

5602 \let\poem@obeylines\relax
5603 \poem@lineparsebegin
5604 }
5605 \def\@endtraditionalpoem{%
5606 \cr
5607 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5608 \noalign{%
5609 \skip0=\poemextrabaseskip
5610 \vskip-\skip0
5611 \vskip-\baseskip
5612 }%
5613 \fi\fi
5614 \poem@lineparseend
5615 \endgroup
5616 \par
5617 \vskip\baseskip
5618 \poemskip
5619 \if@nparlist \else
5620 \ifdim\lastskip >\z@
5621 \@tempkipa\lastskip \vskip -\lastskip
5622 \advance\@tempkipa\parskip \advance\@tempkipa -\@outerparskip
5623 \vskip\@tempkipa
5624 \fi
5625 \@endparenv
5626 \fi
5627 \ifdim\new@poem@width<\poem@width
5628 \global\let\poem@needrun\relax
5629 \fi
5630 \poem@write@aux{\poem@width\romannumeral\c@poem@no}\new@poem@width}%
5631 \ifx\AtEndDocument\undefined\poem@finish\fi
5632 }
5633
5634
5635 \long\def\bidipoem@p@ftntext#1{%
5636 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
5637 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5638 \long\def\bidipoem@p@LTRftntext#1{%
5639 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5640 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5641 \long\def\bidipoem@p@RTLftntext#1{%
5642 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5643 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5644
5645 \long\def\bidipoem@p@xftntext[#1]#2{%
5646 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5647
5648 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5649 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5650
5651 \long\def\bidipoem@p@xRTLftntext[#1]#2{%

```



```

5652 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}
5653
5654 \def\bidipoem@p@xfootnote[#1]{%
5655     \begingroup
5656     \csname c@\@mpfn\endcsname #1\relax
5657     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5658     \endgroup
5659     \@footnotemark\bidipoem@p@xftntext[#1]}
5660
5661 \def\bidipoem@p@xLTRfootnote[#1]{%
5662     \begingroup
5663     \csname c@\@mpfn\endcsname #1\relax
5664     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5665     \endgroup
5666     \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5667
5668 \def\bidipoem@p@xRTLfootnote[#1]{%
5669     \begingroup
5670     \csname c@\@mpfn\endcsname #1\relax
5671     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5672     \endgroup
5673     \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5674
5675
5676
5677 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5678 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
5679 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5680 \def\poem@finish{%
5681 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5682 \ifx\poem@needrun\relax
5683 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5684 \global\let\poem@needrun\undefined
5685 \fi
5686 }
5687 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5688 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5689 \ifx\max@poem@no\undefined
5690     \def\max@poem@no{0}%
5691 \fi
5692 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral\c@poem@no}}
5693 \newcommand{\poem@write@aux}[2]{%
5694     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5695     \@x
5696 }
5697 \def\@modernpoem{%
5698 \par
5699 \begingroup
5700 \parskip=\z@
5701 \parindent=\z@

```



```

5702 \def\[{ \settab\@tabplus\ignorespaces}%
5703 \def\]\{ \tabminus\ignorespaces}%
5704 \def\newblock{\poemblocksep}%
5705 \let\newpoem@tabcr\@tabcr
5706 \def\modernpoem@par{% Redefine \par for possible \obeylines
5707   \ifpoem@started\else
5708     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5709       \@stopfield
5710       \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5711       \@contfield
5712     \fi
5713   \fi
5714   \ifpoem@started\newpoem@tabcr\fi}%
5715 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5716 \global\poem@startedfalse
5717 \csname poem@obeylines\endcsname
5718 \let\poem@obeylines\relax
5719 \begin{tabbing}%
5720 }
5721 \def\@endmodernpoem{%
5722 \global\poem@startedfalse
5723 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5724   \@stopfield
5725   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5726   \@contfield
5727 \fi
5728 \ifpoem@started\else\let\@stopline\@stopfield\fi
5729 \end{tabbing}%
5730 \endgroup
5731 \par
5732 \if@nparlist \else
5733   \ifdim\lastskip >\z@
5734     \@tempskipa\lastskip \vskip -\lastskip
5735     \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5736     \vskip\@tempskipa
5737   \fi
5738   \@endparenv
5739 \fi
5740 }
5741 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5742 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@par}
5743 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5744 \gdef\@startfield{%
5745 \global\setbox\@curfield\hbox\bgroup%
5746 \let\@footnotetext\bidipoem@p@ftntext%
5747 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5748 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5749 \let\@xfootnotenext\bidipoem@p@xftntext%
5750 \let\@xfootnote\bidipoem@p@xfootnote%
5751 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%

```





```

5752 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5753 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5754 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5755 \color@begingroup}
5756 \gdef\@stopfield{%
5757 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5758 \gdef\@contfield{%
5759 \global\setbox\@curfield\hbox\bgroup%
5760 \let\@footnotetext\bidipoem@p@ftntext%
5761 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5762 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5763 \let\@xfootnotenext\bidipoem@p@xftntext%
5764 \let\@xfootnote\bidipoem@p@xfootnote%
5765 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5766 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5767 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5768 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5769 \color@begingroup\unhbox\@curfield}

```

### 7.31 boek3-xetex-bidi.def

```

5770 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX e
5771 \renewenvironment{theindex}{%
5772 \if@twocolumn
5773 \@restonecolfalse
5774 \else
5775 \@restonecoltrue
5776 \fi
5777 \columnseprule \z@
5778 \columnsep 35\p@
5779 \twocolumn[\@makeschapterhead{\indexname}]{%
5780 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5781 \thispagestyle{plain}\parindent\z@
5782 \parskip\z@ \@plus .3\p@\relax
5783 \let\item\@idxitem
5784 }{%
5785 \if@restonecol\onecolumn\else\clearpage\fi}
5786 \renewcommand*\head@style{%
5787 \interlinepenalty \@M
5788 \hyphenpenalty=\@M \exhyphenpenalty=\@M
5789 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5790 \renewcommand*\@regtocline[3]{%
5791 \ifnum #1>\c@tocdepth
5792 \else
5793 \vskip\z@\@plus.2\p@
5794 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5795 \if@RTL\rightskip\else\leftskip\fi\unitindent
5796 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5797 \parfillskip\z@
5798 \@tempdima\unitindent

```



```

5799     \parindent\z@
5800     \leavevmode
5801     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5802     \hskip 1em \nobreak{\slshape #3}\par
5803     }%
5804     \fi}
5805 \if@oldtoc
5806 \renewcommand*\l@part[2]{%
5807     \ifnum \c@tocdepth >-2\relax
5808     \addpenalty{-\@highpenalty}%
5809     \addvspace{2.25em \@plus\p@}%
5810     \begingroup
5811     \setlength\@tempdima{3em}%
5812     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5813     \parfillskip -\@pnumwidth
5814     {\leavevmode
5815     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5816     \nobreak
5817     \global\@nobreaktrue
5818     \everypar{\global\@nobreakfalse\everypar{}}}%
5819     \endgroup
5820     \fi}
5821 \else
5822 \renewcommand*\l@part{%
5823     \ifnum \c@tocdepth >-2\relax
5824     \addpenalty{-\@highpenalty}%
5825     \addvspace{2.25em \@plus \p@}%
5826     \@regtocline{0}%
5827     \fi}
5828 \fi
5829 \if@oldtoc
5830 \renewcommand*\l@chapter[2]{%
5831     \addpenalty{-\@highpenalty}%
5832     \vskip 1.0em \@plus\p@
5833     \setlength\@tempdima{1.5em}%
5834     \begingroup
5835     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5836     \parfillskip -\@pnumwidth
5837     \leavevmode \bfseries
5838     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5839     \hskip -\if@RTL\rightskip\else\leftskip\fi
5840     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5841     \penalty\@highpenalty
5842     \endgroup}
5843 \else
5844 \renewcommand*\l@chapter{\@regtocline{0}}
5845 \fi
5846 \renewenvironment{abstract}{%
5847     \titlepage
5848     \null\vfil

```



```

5849 \section*{\SectFont \abstractname}
5850 \noindent\ignorespaces}
5851 {\par\vfil\null\endtitlepage}
5852 \renewenvironment{thebibliography}[1]
5853 {\chapter*{\bibname}%
5854 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5855 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
5856 \list{\@biblabel{\@arabic\c@enumiv}}%
5857 {\settowidth\labelwidth{\@biblabel{#1}}%
5858 \leftmargin\labelwidth
5859 \advance\leftmargin\labelsep
5860 \@openbib@code
5861 \usecounter{enumiv}%
5862 \let\p@enumiv\@empty
5863 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5864 \sloppy\clubpenalty4000\widowpenalty4000%
5865 \sfcode`. \m}
5866 {\def\@noitemerr
5867 {\@latex@warning{Empty `thebibliography' environment}}}%
5868 \endlist}
5869 \renewcommand*\left@footnoterule{%
5870 \kern-3\p@
5871 \kern.5\baselineskip
5872 \hrule\@width\unitindent
5873 \kern.4\baselineskip
5874 }
5875 \renewcommand*\right@footnoterule{%
5876 \kern-3\p@
5877 \kern.5\baselineskip
5878 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5879 \kern.4\baselineskip}
5880 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5881 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5882 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5883 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5884 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5885 \renewcommand*\theequation{%
5886 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5887 \renewcommand*\thefigure{%
5888 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
5889 \renewcommand*\thetable{%
5890 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
5891 \renewcommand*\maketitle{%
5892 \begin{titlepage}%
5893 \let\footnotesize\small
5894 \let\right@footnoterule\relax
5895 \let\left@footnoterule\relax
5896 \let\textwidth\footnoterule\relax
5897 \let \footnote \thanks
5898 \long\def\@makefntext##1{\parindent\z@

```



```

5899         \def\labelitemi{\textendash}\@revlabeltrue
5900         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5901 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5902 \if@compatibility\setcounter{page}{0}\fi
5903 \null\vfil
5904 \vskip 60\p@
5905 \begin{center}%
5906   \TitleFont
5907   {\LARGE \def\{\{\penalty -\@M}
5908     \if@allcaps
5909       \expandafter\uc@nothanks\@title\thanks\relax
5910     \else
5911       \@title
5912     \fi\par}%
5913   \vskip 3em%
5914   {\large
5915     \lineskip .75em \parindent\z@
5916     \begin{tabular}[t]{c}%
5917       \if@allcaps
5918         \expandafter\uc@authornothanks\@author\and\relax
5919       \else
5920         \@author
5921       \fi
5922     \end{tabular}\par}%
5923   \vskip 1.5em%
5924   {\large
5925     \if@allcaps
5926       \uppercase\expandafter{\@date}%
5927     \else
5928       \@date
5929     \fi\par}%
5930   \end{center}\par
5931   \@thanks
5932   \vfil\null
5933 \end{titlepage}%
5934 \setcounter{footnote}{0}%
5935 \global\let\thanks\relax
5936 \global\let\maketitle\relax
5937 \global\let\@thanks\@empty
5938 \global\let\@author\@empty
5939 \global\let\@title\@empty
5940 \global\let\@date\@empty
5941 \global\let\title\relax
5942 \global\let\author\relax
5943 \global\let\date\relax
5944 \global\let\and\relax
5945 }

```

## 7.32 boek-xetex-bidi.def



```

5946 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5947 \renewenvironment{theindex}{%
5948   \if@twocolumn
5949     \@restonecolfalse
5950   \else
5951     \@restonecoltrue
5952   \fi
5953   \columnseprule \z@
5954   \columnsep 35\p@
5955   \twocolumn[\@makeschapterhead{\indexname}]{%
5956     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5957     \thispagestyle{plain}\parindent\z@
5958     \parskip\z@ \@plus .3\p@\relax
5959     \let\item\@idxitem
5960   }{%
5961     \if@restonecol\onecolumn\else\clearpage\fi}
5962 \renewcommand*{\head@style}{%
5963   \interlinepenalty \@M
5964   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5965   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5966 \renewcommand*{\regtocline}[3]{%
5967   \ifnum #1>\c@tocdepth
5968   \else
5969     \vskip\z@ \@plus .2\p@
5970     {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
5971     \if@RTL\rightskip\else\leftskip\fi\unitindent
5972     \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
5973     \parfillskip\z@
5974     \@tempdima\unitindent
5975     \parindent\z@
5976     \leavevmode
5977     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5978     \hskip 1em \nobreak{\slshape #3}\par
5979     }%
5980   \fi}
5981 \if@oldtoc
5982 \renewcommand*{\l@part}[2]{%
5983   \ifnum \c@tocdepth >-2\relax
5984     \addpenalty{-\@highpenalty}%
5985     \addvspace{2.25em \@plus\p@}%
5986     \begingroup
5987       \setlength\@tempdima{3em}%
5988       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5989       \parfillskip -\@pnumwidth
5990       {\leavevmode
5991         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5992         \nobreak
5993         \global\@nobreaktrue
5994         \everypar{\global\@nobreakfalse\everypar{}}}%
5995     \endgroup

```



```

5996 \fi}
5997 \else
5998 \renewcommand*\l@part{%
5999 \ifnum \c@tocdepth >-2\relax
6000 \addpenalty{-\@highpenalty}%
6001 \addvspace{2.25em \@plus \p@}%
6002 \@regtocline{0}%
6003 \fi}
6004 \fi
6005 \if@oldtoc
6006 \renewcommand*\l@chapter[2]{%
6007 \addpenalty{-\@highpenalty}%
6008 \vskip 1.0em \@plus \p@
6009 \setlength\@tempdima{1.5em}%
6010 \beginingroup
6011 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6012 \parfillskip -\@pnumwidth
6013 \leavevmode \bfseries
6014 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6015 \hskip -\if@RTL\rightskip\else\leftskip\fi
6016 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6017 \penalty\@highpenalty
6018 \endgroup}
6019 \else
6020 \renewcommand*\l@chapter{\@regtocline{0}}
6021 \fi
6022 \renewcommand*\left@footnoterule{%
6023 \kern-3\p@
6024 \kern.5\baselineskip
6025 \hrule\@width\unitindent
6026 \kern.4\baselineskip
6027 }
6028 \renewcommand*\right@footnoterule{%
6029 \kern-3\p@
6030 \kern.5\baselineskip
6031 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6032 \kern.4\baselineskip}
6033 \renewenvironment{abstract}{%
6034 \titlepage
6035 \null\vfil
6036 \section*\SectFont \abstractname}
6037 \noindent\ignorespaces}
6038 {\par\vfil\null\endtitlepage}
6039 \renewenvironment{thebibliography}[1]
6040 {\chapter*\bibname}%
6041 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6042 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6043 \list{\@biblabel{\@arabic\c@enumiv}}%
6044 {\settowidth\labelwidth{\@biblabel{#1}}%
6045 \leftmargin\labelwidth

```



```

6046         \advance\leftmargin\labelsep
6047         \@openbib@code
6048         \usecounter{enumiv}%
6049         \let\p@enumiv\@empty
6050         \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}%
6051     \sloppy\clubpenalty4000\widowpenalty4000%
6052     \sfcode\.\@m}
6053     {\def\@noitemerr
6054      {\@latex@warning{Empty `thebibliography' environment}}}%
6055     \endlist}
6056 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
6057 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
6058 \renewcommand*{\thesubsubsection}{\thesubsection\@SepMark\@arabic\c@subsubsection}
6059 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6060 \renewcommand*{\thesubparagraph}{\theparagraph\@SepMark\@arabic\c@subparagraph}
6061 \renewcommand*{\theequation}{%
6062   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6063 \renewcommand*{\thefigure}{%
6064   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6065 \renewcommand*{\thetable}{%
6066   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6067 \renewcommand*{\maketitle}{%
6068   \begin{titlepage}%
6069     \let\footnotesize\small
6070     \let\right@footnoterule\relax
6071     \let\left@footnoterule\relax
6072     \let\textwidth\footnoterule\relax
6073     \let \footnote \thanks
6074     \long\def\@makefnmark##1{\parindent\z@
6075       \def\labelitemi{\textendash}\@revlabeltrue
6076       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6077     \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
6078     \if@compatibility\setcounter{page}{0}\fi
6079     \null\vfil
6080     \vskip 60\p@
6081     \begin{center}%
6082       \TitleFont
6083       {\LARGE \def\{\{\penalty -\@M}
6084       \if@allcaps
6085         \expandafter\uc@nothanks\@title\thanks\relax
6086       \else
6087         \@title
6088       \fi\par}%
6089     \vskip 3em%
6090     {\large
6091       \lineskip .75em \parindent\z@
6092       \begin{tabular}[t]{c}%
6093         \if@allcaps
6094           \expandafter\uc@author\author\and\relax
6095         \else

```



```

6096         \@author
6097         \fi
6098         \end{tabular}\par}%
6099         \vskip 1.5em%
6100         {\large
6101         \if@allcaps
6102         \uppercase\expandafter{\@date}%
6103         \else
6104         \@date
6105         \fi\par}%
6106         \end{center}\par
6107         \@thanks
6108         \vfil\null
6109     \end{titlepage}%
6110     \setcounter{footnote}{0}%
6111     \global\let\thanks\relax
6112     \global\let\maketitle\relax
6113     \global\let\@thanks\@empty
6114     \global\let\@author\@empty
6115     \global\let\@title\@empty
6116     \global\let\@date\@empty
6117     \global\let\title\relax
6118     \global\let\author\relax
6119     \global\let\date\relax
6120     \global\let\and\relax
6121 }

```

### 7.33 **bookest-xetex-bidi.def**

```

6122 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeLaTeX]
6123 \def\@makechapterhead#1{%
6124     \vspace*{20\p@}
6125     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6126     \ifnum \c@secnumdepth >\m@ne
6127         \if@mainmatter
6128             {\colorA\huge\scshape \@chapapp\space \thechapter}
6129             \par\nobreak
6130             \vskip 10\p@
6131         \fi
6132         \fi
6133         \interlinepenalty\@M
6134         {\colorB\hrule}
6135         \vskip 15\p@
6136         \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6137             {\colorA\Huge \bfseries #1}\par\nobreak
6138         \if@RTL\end{flushleft}\else\end{flushright}\fi
6139         \vskip 5\p@
6140         {\colorB\hrule}
6141         \vskip 30\p@
6142     }}

```





```

6143 \def\@makeschapterhead#1{%
6144   \vspace*{20\p@}
6145   {\parindent \z@ \raggedright \normalfont
6146    {\colorB\hrule}
6147    \vskip 15\p@
6148    \begin{center}
6149     {\colorA\Huge \bfseries #1}\par\nobreak
6150    \end{center}
6151    \vskip 5\p@
6152    {\colorB\hrule}
6153    \vskip 30\p@
6154   }}

```

### 7.34 book-xetex-bidi.def

```

6155 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for
6156 \renewenvironment{theindex}
6157     {\if@twocolumn
6158      \@restonecolfalse
6159      \else
6160       \@restonecoltrue
6161      \fi
6162      \columnseprule \z@
6163      \columnsep 35\p@
6164      \twocolumn[\@makeschapterhead{\indexname}]}%
6165      \@mkboth{\MakeUppercase\indexname}%
6166              {\MakeUppercase\indexname}%
6167      \thispagestyle{plain}\parindent\z@
6168      \parskip\z@ \@plus .3\p@\relax
6169      \let\item\@idxitem}
6170     {\if@restonecol\onecolumn\else\clearpage\fi}
6171 \@ifclassloaded{bookest}{\}{%
6172   \if@titlepage
6173   \renewcommand\maketitle{\begin{titlepage}%
6174   \let\footnotesize\small
6175   \let\right@footnoterule\relax
6176   \let\left@footnoterule\relax
6177   \let\textwidth@footnoterule\relax
6178   \let \footnote \thanks
6179   \let \LTRfootnote \LTRthanks
6180   \let \RTLfootnote \RTLthanks
6181   \null\vfil
6182   \vskip 60\p@
6183   \begin{center}%
6184     {\LARGE \@title \par}%
6185     \vskip 3em%
6186     {\large
6187      \lineskip .75em%
6188      \begin{tabular}[t]{c}%
6189        \@author

```



```

6190     \end{tabular}\par}%
6191     \vskip 1.5em%
6192     {\large \@date \par}%           % Set date in \large size.
6193 \end{center}\par
6194 \@thanks
6195 \vfil\null
6196 \end{titlepage}%
6197 \setcounter{footnote}{0}%
6198 \global\let\thanks\relax
6199 \global\let\LTRthanks\relax
6200 \global\let\RTLthanks\relax
6201 \global\let\maketitle\relax
6202 \global\let\@thanks\@empty
6203 \global\let\@author\@empty
6204 \global\let\@date\@empty
6205 \global\let\@title\@empty
6206 \global\let\title\relax
6207 \global\let\author\relax
6208 \global\let\date\relax
6209 \global\let\and\relax
6210 }
6211 \else
6212 \renewcommand\maketitle{\par
6213   \begingroup
6214     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6215     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6216     \long\def\@makefntext##1{\parindent 1em\noindent
6217       \hb@xt@1.8em{%
6218         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6219     \if@twocolumn
6220       \ifnum \col@number=\@one
6221         \@maketitle
6222       \else
6223         \twocolumn[\@maketitle]%
6224       \fi
6225     \else
6226       \newpage
6227       \global\@topnum\z@   % Prevents figures from going at top of page.
6228       \@maketitle
6229     \fi
6230     \thispagestyle{plain}\@thanks
6231   \endgroup
6232   \setcounter{footnote}{0}%
6233   \global\let\thanks\relax
6234   \global\let\LTRthanks\relax
6235   \global\let\RTLthanks\relax
6236   \global\let\maketitle\relax
6237   \global\let\@maketitle\relax
6238   \global\let\@thanks\@empty
6239   \global\let\@author\@empty

```



```

6240 \global\let\@date\@empty
6241 \global\let\@title\@empty
6242 \global\let\title\relax
6243 \global\let\author\relax
6244 \global\let\date\relax
6245 \global\let\and\relax
6246 }
6247 \def\@maketitle{%
6248 \newpage
6249 \null
6250 \vskip 2em%
6251 \begin{center}%
6252 \let \footnote \thanks
6253 \let \LTRfootnote \LTRthanks
6254 \let \RTLfootnote \RTLthanks
6255 {\LARGE \@title \par}%
6256 \vskip 1.5em%
6257 {\large
6258 \lineskip .5em%
6259 \begin{tabular}[t]{c}%
6260 \@author
6261 \end{tabular}\par}%
6262 \vskip 1em%
6263 {\large \@date}%
6264 \end{center}%
6265 \par
6266 \vskip 1.5em}
6267 \fi}
6268 \renewcommand*\l@part[2]{%
6269 \ifnum \c@tocdepth >-2\relax
6270 \addpenalty{-\@highpenalty}%
6271 \addvspace{2.25em \@plus\p@}%
6272 \setlength\@tempdima{3em}%
6273 \begingroup
6274 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6275 \parfillskip -\@pnumwidth
6276 {\leavevmode
6277 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6278 \nobreak
6279 \global\@nobreaktrue
6280 \everypar{\global\@nobreakfalse\everypar{}}%
6281 \endgroup
6282 \fi}
6283 \renewcommand*\l@chapter[2]{%
6284 \ifnum \c@tocdepth >\m@ne
6285 \addpenalty{-\@highpenalty}%
6286 \vskip 1.0em \@plus\p@
6287 \setlength\@tempdima{1.5em}%
6288 \begingroup
6289 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

6290 \parfillskip -\@pnumwidth
6291 \leavevmode \bfseries
6292 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6293 \hskip -\if@RTL\rightskip\else\leftskip\fi
6294 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6295 \penalty\@highpenalty
6296 \endgroup
6297 \fi}
6298 \renewcommand\left@footnoterule{%
6299 \kern-3\p@
6300 \hrule\@width.4\columnwidth
6301 \kern2.6\p@}
6302 \renewcommand\right@footnoterule{%
6303 \kern-3\p@
6304 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6305 \kern2.6\p@}
6306 \renewcommand\theequation
6307 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6308 \renewcommand \thefigure
6309 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6310 \renewcommand \thetable
6311 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6312 \renewcommand \thechapter {\@arabic\c@chapter}
6313 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6314 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6315 \renewcommand \thesubsubsection {\thesubsection\@SepMark\@arabic\c@subsubsection}
6316 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6317 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6318 \def\@makechapterhead#1{%
6319 \vspace*{50\p@}%
6320 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6321 \ifnum \c@secnumdepth >\m@ne
6322 \if@mainmatter
6323 \huge\bfseries \@chapapp\space \thechapter
6324 \par\nobreak
6325 \vskip 20\p@
6326 \fi
6327 \fi
6328 \interlinepenalty\@M
6329 \Huge \bfseries #1\par\nobreak
6330 \vskip 40\p@
6331 }}
6332 \def\@makeschapterhead#1{%
6333 \vspace*{50\p@}%
6334 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6335 \normalfont
6336 \interlinepenalty\@M
6337 \Huge \bfseries #1\par\nobreak
6338 \vskip 40\p@
6339 }}

```



```

6340 \renewcommand\backmatter{%
6341   \if@openright
6342     \cleardoublepage
6343   \else
6344     \clearpage
6345   \fi
6346   \@mainmatterfalse}
6347 \renewenvironment{thebibliography}[1]
6348   {\chapter*{\bibname}%
6349    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6350   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6351    \list{\@biblabel{\@arabic\c@enumiv}}%
6352          {\settowidth\labelwidth{\@biblabel{#1}}%
6353           \leftmargin\labelwidth
6354           \advance\leftmargin\labelsep
6355           \@openbib@code
6356           \usecounter{enumiv}%
6357           \let\p@enumiv\@empty
6358           \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6359   \sloppy
6360   \clubpenalty4000
6361   \@clubpenalty \clubpenalty
6362   \widowpenalty4000%
6363   \sfcode\.\@m}
6364   {\def\@noitemerr
6365    {\@latex@warning{Empty `thebibliography' environment}}%
6366   \endlist}

```

### 7.35 breqn-xetex-bidi.def

```

6367 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for XeTeX]
6368 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6369   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6370   \if@noskipsec \leavevmode \fi
6371   \if@inlabel \leavevmode \global\@inlabelfalse \fi
6372   \if@eq@group\else\eq@prelim\fi
6373   \setkeys{breqn}{#1}%
6374   \the\eqstyle
6375   \eq@setnumber
6376   \begin@group
6377   \eq@setup@a
6378   \eq@startup
6379 }
6380 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6381   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6382   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6383   \global\let\GRP@label\@empty
6384   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6385   \global\grp@linewidth\z@\global\grp@wdNum\z@
6386   \global\let\grp@eqs@numbered\@False

```



```

6387 \global\let\grp@aligned@True
6388 \global\let\grp@shiftnumber@False
6389 \eq@prelim
6390 \setkeys{breqn}{#1}%
6391 \if\grp@hasNumber \grp@setnumber \fi
6392 }
6393 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6394 \let\display@setup\dseries@display@setup
6395 % Question: should this be the default for dseries???
6396 \global\eq@wdCond\z@
6397 \@dmath[layout={M},#1]%
6398 \mathsurround\z@\@math \penalty\@Mi
6399 \let\endmath\ends@math
6400 \def\premath{%
6401 \ifdim\lastskip<.3em \unskip
6402 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6403 }%
6404 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6405 \ignorespaces
6406 }
6407 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
6408 \renewenvironment{dsuspend}{%
6409 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6410 \parshape 1 \displayindent \displaywidth\relax
6411 \hsize=\columnwidth \noindent\ignorespaces
6412 }{%
6413 \par\egroup
6414 \global\setbox\GRP@box\vbox{%
6415 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
6416 \unvbox\GRP@box
6417 }%
6418 \global\GRP@queue\@xp{\the\GRP@queue
6419 \@elt{\let\eq@isIntertext\@True}%
6420 }%
6421 }

```

### 7.36 cals-xetex-bidi.def

```

6422 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX e
6423 \renewcommand\cals@setup@alignment[1]{%
6424 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6425 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6426 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6427 }
6428 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6429 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6430 \if@RTLtab\cals@activate@rtl\fi
6431 \let\cals@thead@tokens=\relax
6432 \let\cals@tfoot@tokens=\relax
6433 \let\cals@tbody@tokens=\relax

```



```

6434 \cals@tfoot@height=0pt \relax
6435 \let\cals@last@context=n%
6436 \let\cals@current@context=b%
6437 \parindent=0pt \relax%
6438 \cals@setup@alignment{#1}%
6439 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6440 %% Alignment inside is independent on center/flushright outside
6441 \parfillskip=0pt plus1fil\relax
6442 \let\cals@borderL=\relax
6443 \let\cals@borderR=\relax
6444 \let\cals@borderT=\relax
6445 \let\cals@borderB=\relax
6446 \setbox\cals@backup@row=\box\voidb@x\relax
6447 \cals@AtBeginTable
6448 }{% End of the table
6449 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6450 \renewcommand\alignL{%
6451 \if@RTLtab
6452   \cals@vfillAdd\cals@paddingL
6453 \else
6454   \cals@vfillDrop\cals@paddingL
6455 \fi
6456 \cals@vfillDrop\cals@paddingR}
6457 \renewcommand\alignR{%
6458 \if@RTLtab
6459   \cals@vfillDrop\cals@paddingL
6460 \else
6461   \cals@vfillAdd\cals@paddingL
6462 \fi
6463 \cals@vfillDrop\cals@paddingR}

```

### 7.37 caption-xetex-bidi.def

```

6464 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6465 \let\@makecaption\caption@makecaption

```

### 7.38 caption3-xetex-bidi.def

```

6466 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package fo
6467 \renewcommand*\caption@par{%
6468 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

### 7.39 colortbl-xetex-bidi.def

```

6469 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package fo
6470 \def\CT@setup{%
6471   \@tempdimb\col@sep
6472   \@tempdimc\col@sep
6473   \def\CT@color{%
6474     \global\let\CT@do@color\CT@@do@color
6475     \bidicolor}}
6476 \def\@classz{\@classx

```



```

6477 \tempcnta \count@
6478 \prepnext@tok
6479 \expandafter\CT@extract\the\toks\tempcnta\columncolor!\@nil
6480 \addtopreamble{\if@RTLtab\beginL\fi%
6481 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6482 \ifcase \@chnum
6483 \hskip\stretch{.5}\kern\z@
6484 \d@llarbegin
6485 \insert@column
6486 \d@llarend\hskip\stretch{.5}\or
6487 \d@llarbegin \insert@column \d@llarend \hfill \or
6488 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6489 $\vcenter
6490 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6491 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6492 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6493 \fi
6494 \if@RTLtab\endR\fi\egroup\egroup
6495 \begingroup
6496 \CT@setup
6497 \CT@column@color
6498 \CT@row@color
6499 \CT@cell@color
6500 \CT@do@color
6501 \endgroup
6502 \tempdima\ht\z@
6503 \advance\tempdima\minrowclearance
6504 \vrule\@height\tempdima\@width\z@
6505 \unhbox\z@\if@RTLtab\endL\fi}%
6506 \prepnext@tok}

```

## 7.40 color-xetex-bidi.def

```

6507 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX]
6508 \long\def\color@b@x#1#2#3{%
6509 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6510 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6511 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6512 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6513 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6514 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6515 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6516 \DeclareRobustCommand\color{%
6517 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}%
6518 \def\@declaredcolor#1{%
6519 \@ifundefined{string\color @#1}%
6520 {\color@error{`#1'}}%
6521 {\expandafter\let\expandafter\current@color
6522 \csname\string\color @#1\endcsname
6523 \set@color}%

```





```

6524 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6525 \def\@undeclaredcolor[#1]#2{%
6526   \ifundefined{color@#1}%
6527     {\color@error{model `#1'}}%
6528     {\csname color@#1\endcsname\current@color{#2}%
6529       \set@color}%
6530 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6531 \DeclareRobustCommand\bidicolor{%
6532   \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6533 \def\@bidiundeclaredcolor[#1]#2{%
6534   \ifundefined{color@#1}%
6535     {\color@error{model `#1'}}%
6536     {\csname color@#1\endcsname\current@color{#2}%
6537       \set@color}%
6538   \ignorespaces}
6539 \def\@bidideclaredcolor#1{%
6540   \ifundefined{\string\color @#1}%
6541     {\color@error{`#1'}}%
6542     {\expandafter\let\expandafter\current@color
6543       \csname\string\color @#1\endcsname
6544       \set@color}%
6545   \ignorespaces}
6546 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6547 \def\color@fbox#1#2#3{%
6548   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6549 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 7.41 combine-xetex-bidi.def

```

6550 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
6551 \renewcommand{\c@ll@chapsecii}[2]{%
6552   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6553   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6554   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6555 }
6556 \renewcommand{\c@ll@chapseci}{%
6557   \setlength{\@tempdima}{0em}%
6558   \begingroup
6559     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6560     \parfillskip -\@pnumwidth
6561     \leavevmode
6562 }
6563 \renewenvironment{tocindent}[1]{%
6564   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

## 7.42 crop-xetex-bidi.def

```

6565 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6566 \renewcommand*\CROP@ulc{%
6567   \if@RTLmain%
6568     \begin{picture}(0,0)

```



```

6569         \unitlength\p@\thinlines
6570         \put(-40,0){\circle{10}}
6571         \put(-30,-5){\line(0,1){10}}
6572         \put(-35,0){\line(1,0){30}}
6573         \put(-10,30){\circle{10}}
6574         \put(-5,30){\line(1,0){10}}
6575         \put(0,35){\line(0,-1){30}}
6576     \end{picture}%
6577 \else%
6578     \begin{picture}(0,0)
6579         \unitlength\p@\thinlines
6580         \put(-30,0){\circle{10}}
6581         \put(-30,-5){\line(0,1){10}}
6582         \put(-35,0){\line(1,0){30}}
6583         \put(0,30){\circle{10}}
6584         \put(-5,30){\line(1,0){10}}
6585         \put(0,35){\line(0,-1){30}}
6586     \end{picture}%
6587 \fi%
6588 }
6589 \renewcommand*\CROP@@urc{%
6590     \if@RTLmain%
6591         \begin{picture}(0,0)
6592             \unitlength\p@\thinlines
6593             \put(20,0){\circle{10}}
6594             \put(30,-5){\line(0,1){10}}
6595             \put(35,0){\line(-1,0){30}}
6596             \put(-10,30){\circle{10}}
6597             \put(-5,30){\line(1,0){10}}
6598             \put(0,35){\line(0,-1){30}}
6599         \end{picture}%
6600     \else%
6601         \begin{picture}(0,0)
6602             \unitlength\p@\thinlines
6603             \put(30,0){\circle{10}}
6604             \put(30,-5){\line(0,1){10}}
6605             \put(35,0){\line(-1,0){30}}
6606             \put(0,30){\circle{10}}
6607             \put(-5,30){\line(1,0){10}}
6608             \put(0,35){\line(0,-1){30}}
6609         \end{picture}%
6610     \fi%
6611 }
6612 \renewcommand*\CROP@@llc{%
6613     \if@RTLmain%
6614         \begin{picture}(0,0)
6615             \unitlength\p@\thinlines
6616             \put(-40,0){\circle{10}}
6617             \put(-30,-5){\line(0,1){10}}
6618             \put(-35,0){\line(1,0){30}}

```



```

6619      \put(-10,-30){\circle{10}}
6620      \put(-5,-30){\line(1,0){10}}
6621      \put(0,-35){\line(0,1){30}}
6622    \end{picture}%
6623  \else%
6624    \begin{picture}(0,0)
6625      \unitlength\p@\thinlines
6626      \put(-30,0){\circle{10}}
6627      \put(-30,-5){\line(0,1){10}}
6628      \put(-35,0){\line(1,0){30}}
6629      \put(0,-30){\circle{10}}
6630      \put(-5,-30){\line(1,0){10}}
6631      \put(0,-35){\line(0,1){30}}
6632    \end{picture}%
6633    \fi%
6634  }
6635  \renewcommand*\CROP@lrc{%
6636    \if@RTLmain%
6637      \begin{picture}(0,0)
6638        \unitlength\p@\thinlines
6639        \put(20,0){\circle{10}}
6640        \put(30,-5){\line(0,1){10}}
6641        \put(35,0){\line(-1,0){30}}
6642        \put(-10,-30){\circle{10}}
6643        \put(-5,-30){\line(1,0){10}}
6644        \put(0,-35){\line(0,1){30}}
6645      \end{picture}%
6646    \else%
6647      \begin{picture}(0,0)
6648        \unitlength\p@\thinlines
6649        \put(30,0){\circle{10}}
6650        \put(30,-5){\line(0,1){10}}
6651        \put(35,0){\line(-1,0){30}}
6652        \put(0,-30){\circle{10}}
6653        \put(-5,-30){\line(1,0){10}}
6654        \put(0,-35){\line(0,1){30}}
6655      \end{picture}%
6656    \fi%
6657  }
6658  \ifpackagewith{crop}{cam}{%
6659    \CROP@execopt{cam}%
6660  }{}

```

### 7.43 cutwin-xetex-bidi.def

```

6661  \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6662  \renewcommand*\c@twcompctr[2]{%
6663    \def\c@twfirst{1}
6664    \loop\advance\c@twwinlines\m@ne
6665    \setbox\c@twslicea=\vsplit#1 to\baselineskip

```



```

6666 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6667 \c@twprune{\c@twslicea}{\c@twlftside}%
6668 \c@twprune{\c@twsliceb}{\c@twrtside}%
6669 \ifnum\c@twfirst=\@ne
6670   \setbox#2=\vbox{\unvbox#2\hbox
6671     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twl
6672   \else
6673     \setbox#2=\vbox{\unvbox#2\hbox
6674     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
6675   \fi
6676   \def\c@twfirst{2}
6677   \ifnum\c@twwinlines>\z@\repeat}
6678 \renewcommand*{\c@twcompoddctr}[2]{%
6679   \def\c@twrounds{1}
6680   \def\c@twfirst{1}
6681   \@for\c@twlspec:=\c@twb\do{%
6682     \ifnum\c@twrounds=1
6683       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6684       \c@twprune{\c@twslicea}{\c@twlspec}%
6685       \def\c@twrounds{2}
6686     \else
6687       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6688       \c@twprune{\c@twsliceb}{\c@twlspec}%
6689       \ifnum\c@twfirst=1
6690         \setbox#2=\vbox{\unvbox#2\hbox
6691         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
6692       \def\c@twfirst{2}
6693     \else
6694       \setbox#2=\vbox{\unvbox#2\hbox
6695       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
6696     \fi
6697     \def\c@twrounds{1}
6698   \fi}}

```

## 7.44 cuted-xetex-bidi.def

```

6699 \ProvidesFile{cuted-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for cuted package for XeTeX]
6700
6701 \def\RTL@outputdblcol{%
6702   \if@firstcolumn
6703     \global\@firstcolumnfalse
6704     \global\setbox\@leftcolumn\copy\@outputbox
6705     \splitmaxdepth\maxdimen
6706     \vbadness\maxdimen
6707     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6708     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6709     \toks@\expandafter{\topmark}%
6710     \xdef\@firstcoltopmark{\the\toks@}%
6711     \toks@\expandafter{\splitfirstmark}%
6712     \xdef\@firstcolfirstmark{\the\toks@}%

```



```

6713 \ifx\@firstcolfirstmark\@empty
6714 \global\let\@setmarks\relax
6715 \else
6716 \gdef\@setmarks{%
6717 \let\firstmark\@firstcolfirstmark
6718 \let\topmark\@firstcoltopmark}%
6719 \fi
6720 \else
6721 \global\@firstcolumntrue
6722 \setbox\@outputbox\vbox{%
6723 \hb@xt@\textwidth{%
6724 \hskip \columnwidth
6725 \hfil
6726 {\normalcolor\vrule \@width\columnseprule}%
6727 \hfil
6728 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6729 \hskip -\textwidth
6730 \hb@xt@\columnwidth{\box\@outputbox \hss}%
6731 \hskip \columnsep
6732 \hskip \columnwidth }}%
6733 \ifvoid\hold@viper
6734 \else
6735 \setbox\@outputbox \vbox to\textheight{%
6736 \box\hold@viper
6737 \box\@outputbox
6738 \vss
6739 }%
6740 \fi
6741 \@combinedblfloats
6742 \@setmarks
6743 \@outputpage
6744 \begingroup
6745 \@dblfloatplacement
6746 \@startdblcolumn
6747 \@whiles\if@fcolmade \fi{\@outputpage
6748 \@startdblcolumn}%
6749 \ifvoid\@viper
6750 \else
6751 \global\setbox\@viper\vbox{%
6752 \vskip-\stripsep
6753 \unvbox\@viper
6754 }%
6755 \@viperoutput
6756 \fi
6757 \endgroup
6758 \fi}%
6759
6760 \def\LTR@outputdblcol{%
6761 \if@firstcolumn
6762 \global\@firstcolumnfalse

```



```

6763 \global\setbox\@leftcolumn\copy\@outputbox
6764 \splitmaxdepth\maxdimen
6765 \vbadness\maxdimen
6766 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6767 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6768 \toks@{\expandafter{\topmark}}%
6769 \xdef\@firstcoltopmark{\the\toks@}%
6770 \toks@{\expandafter{\splitfirstmark}}%
6771 \xdef\@firstcolfirstmark{\the\toks@}%
6772 \ifx\@firstcolfirstmark\@empty
6773 \global\let\@setmarks\relax
6774 \else
6775 \gdef\@setmarks{%
6776 \let\firstmark\@firstcolfirstmark
6777 \let\topmark\@firstcoltopmark}%
6778 \fi
6779 \else
6780 \global\@firstcolumntrue
6781 \setbox\@outputbox\vbox{%
6782 \hb@xt@\textwidth{%
6783 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6784 \hfil
6785 {\normalcolor\vrule \@width\columnseprule}%
6786 \hfil
6787 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
6788 \ifvoid\hold@viper
6789 \else
6790 \setbox\@outputbox \vbox to\textheight{%
6791 \box\hold@viper
6792 \box\@outputbox
6793 \vss
6794 }%
6795 \fi
6796 \@combinedblfloats
6797 \@setmarks
6798 \@outputpage
6799 \begingroup
6800 \@dblfloatplacement
6801 \@startdblcolumn
6802 \@whiles\if@fcolmade \fi{\@outputpage
6803 \@startdblcolumn}%
6804 \ifvoid\@viper
6805 \else
6806 \global\setbox\@viper\vbox{%
6807 \vskip-\stripsep
6808 \unvbox\@viper
6809 }%
6810 \@viperoutput
6811 \fi
6812 \endgroup

```



```

6813 \fi}%
6814
6815
6816 \def \@addviper {%
6817 \if@firstcolumn
6818 \insertfalse
6819 \@reqcolroom .5\@pageht
6820 \ht@viper\@reqcolroom
6821 \advance \@reqcolroom \ht@viper
6822 \advance \@reqcolroom \stripsep
6823 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6824 %%
6825 \@tempdimb \ht@viper
6826 \loop
6827 \setbox\v@aaa\copy\@holdpg
6828 \setbox\v@ccc\vbox to\@tempdimb{%
6829 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6830 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6831 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6832 \loop
6833 \setbox\v@aaa\copy\@holdpg
6834 \setbox\v@ccc\vbox to\@tempdimb{%
6835 \vsplit\v@aaa to\@tempdimb\vss}%
6836 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6837 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6838 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6839 \setbox\v@ccc\vbox to\@tempdimb{%
6840 \vsplit\@holdpg to\@tempdimb\vss}%
6841 %%
6842 \setbox\@tempboxa \vbox {%
6843 \hb@xt@\textwidth {%
6844 \if@RTLmain%
6845 \hskip \columnwidth
6846 \hfil \vrule width\columnseprule \hfil
6847 \hb@xt@\columnwidth {%
6848 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6849 \hskip -\textwidth
6850 \hb@xt@\columnwidth {%
6851 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6852 \hskip \columnsep
6853 \hskip \columnwidth
6854 \else%
6855 \hb@xt@\columnwidth {%
6856 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6857 \hfil
6858 \vrule \@width\columnseprule
6859 \hfil
6860 \hb@xt@\columnwidth {%
6861 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6862 \fi}%

```



```

6863         }%
6864 \ifvoid\hold@viper
6865     \global\setbox\hold@viper \vbox {%
6866         \unvbox\@tempboxa
6867         \penalty\interlinepenalty
6868         \vskip\stripsep
6869         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6870         \outputpenalty \z@
6871     }%
6872 \else
6873     \global\setbox\hold@viper \vbox {%
6874         \unvbox\hold@viper
6875         \unvbox\@tempboxa
6876         \penalty\interlinepenalty
6877         \vskip\stripsep
6878         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6879         \outputpenalty \z@
6880     }%
6881 \fi
6882 \ifdim \@colroom>\@reqcolroom
6883     \global\setbox\hold@viper \vbox {%
6884         \unvbox\hold@viper
6885         \box\@viper
6886         \penalty\interlinepenalty
6887         \vskip\stripsep
6888         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6889         \outputpenalty \z@
6890     }%
6891 \@inserttrue
6892 \advance\@tempdima by-\ht\hold@viper
6893 \global \advance \@colht \@tempdima
6894 \ifdim \@colht<2.5\baselineskip
6895 \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6896     too tall on page \thepage (1 stulpelis)}%
6897     \@emptycol
6898     \if@firstcolumn
6899     \else
6900     \@emptycol
6901     \fi
6902     \global\@lastvipertrue
6903 \else
6904     \global \vsize \@colht
6905     \global \@colroom \@colht
6906     \check@floats
6907     \ifdim\@tempdima>\z@
6908         \global\advance\@colroom by-\@tempdima
6909     \fi
6910     \ifdim\@colroom<\z@
6911         \global\@colroom 1pt
6912         \ifdim\@tempdima>\@colht

```





```

6913         \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6914             netelpa lape \thepage (1 stulpelis)}%
6915         \fi
6916         \@emptycol
6917         \if@firstcolumn
6918         \else
6919             \@emptycol
6920         \fi
6921         \global\@lastvipertrue
6922     \fi
6923 \fi
6924 \fi
6925 \else
6926     \@insertfalse
6927     \@reqcolroom\@colht
6928     \advance\@reqcolroom \@pageht
6929     \ht@viper.5\@reqcolroom
6930     \@reqcolroom\ht@viper
6931     \advance \@reqcolroom \ht\@viper
6932     \advance \@reqcolroom \stripsep
6933     \if@flushend@auto@baselineskip
6934         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6935             \global\lastskip@d\lastskip
6936             \global\lastskip@b\lastskip
6937             \loop
6938                 \global\lastskip@a\lastskip@b
6939                 \unskip\unpenalty
6940                 \global\lastskip@b\lastskip
6941                 \global\advance\lastskip@d by\lastskip
6942                 \ifdim\lastskip@b=-\lastskip@a
6943                     \global\advance\lastskip@d by-\lastskip
6944                 \else
6945                     \repeat
6946                 \ifdim\lastskip@b=-\lastskip@a
6947                     \ifdim\lastskip@b=\z@
6948                         \setbox\lastbox@a\lastbox
6949                         \global\advance\lastskip@d by\ht\lastbox@a
6950                         \global\advance\lastskip@d by\lastskip
6951                         \unskip\unpenalty
6952                         \setbox\lastbox@a\lastbox
6953                         \global\advance\lastskip@d by\dp\lastbox@a
6954                     \else
6955                         \global\lastskip@d\lastskip
6956                         \global\advance\lastskip@d by\topskip
6957                     \fi
6958                 \fi
6959                 \global\advance\lastskip@d by-\topskip
6960             }%
6961     \ifdim\ht\@holdpg>\@colht
6962     \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty

```



```

6963         \par\eject
6964         \vbox to \colht{\unvbox\@holdpg\unskip}%
6965     }%
6966 \else
6967     \global\setbox\@holdpg\vbox{%
6968         \unvbox\@leftcolumn\unskip\unpenalty
6969         \vskip\lastskip@d
6970         \the\At@ViperColsBreak
6971         \unvbox\@holdpg
6972         \unskip
6973     }%
6974 \fi
6975 \else
6976     \global\setbox\@holdpg\vbox{%
6977         \unvbox\@leftcolumn
6978         \setbox\@tempboxa\lastbox
6979         \on@stripcols@break
6980         \the\At@ViperColsBreak
6981         \unvbox\@holdpg
6982     }%
6983 \fi
6984 \global\At@ViperColsBreak{}%
6985 \ht@viper .5\ht\@holdpg
6986 \ifdim \ht@viper>\colht
6987     \ht@viper \colht
6988 \fi
6989 \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
6990 %%
6991 \@tempdimb \ht@viper
6992 \loop
6993     \setbox\v@aaa\copy\@holdpg
6994     \setbox\v@ccc\vbox to\@tempdimb{%
6995         \vsplit\v@aaa to\@tempdimb
6996         \vss
6997         \vsplit\v@aaa to\@tempdimb
6998     }%
6999     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7000 \ifvoid\v@aaa
7001 \else
7002     \advance\@tempdimb 1\p@
7003 \repeat
7004 \loop
7005     \setbox\v@aaa\copy\@holdpg
7006     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7007     \wlog{(2)Left:\the\ht\v@ccc\space
7008         Right:\the\ht\v@aaa\space
7009         Output:\the\@tempdimb
7010     }%
7011 \ifdim\ht\v@ccc<\ht\v@aaa
7012     \@tempdimb \the\ht\v@aaa

```



```

7013 \repeat
7014 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7015      ^^JRight:\the\ht\v@aaa
7016      ^^JOutput:\the\@tempdimb
7017      }%
7018 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7019 \setbox\@tempboxa\vbox{%
7020   \hb@xt@\textwidth {%
7021     \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7022     \hfil
7023     \vrule \@width\columnseprule
7024     \hfil
7025     \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7026     }%
7027   }%
7028 \ifvoid\hold@viper
7029   \global\setbox\hold@viper \vbox {%
7030     \unvbox\@tempboxa
7031     \penalty\interlinepenalty
7032     \vskip\stripsep
7033     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7034     \outputpenalty \z@
7035     }%
7036 \else
7037   \global\setbox\hold@viper \vbox {%
7038     \unvbox\hold@viper
7039     \unvbox\@tempboxa
7040     \penalty\interlinepenalty
7041     \vskip\stripsep
7042     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7043     \outputpenalty \z@
7044     }%
7045 \fi
7046 \ifdim \@colht>\@reqcolroom
7047   \global\setbox\hold@viper \vbox {%
7048     \unvbox\hold@viper
7049     \box\@viper
7050     \penalty\interlinepenalty
7051     \vskip\stripsep
7052     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7053     \outputpenalty \z@
7054     }%
7055 \inserttrue
7056 \global\@firstcolumntrue
7057 \advance\@tempdima by-\ht\hold@viper
7058 \global \advance \@colht \@tempdima
7059 \ifdim \@colht<2.5\baselineskip
7060 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7061                          too tall on page \thepage (2 stulpelis)}%
7062 \emptycol

```



```

7063         \if@firstcolumn
7064         \else
7065             \@emptycol
7066         \fi
7067         \global\@lastvipertrue
7068     \else
7069         \global \vsize \@colht
7070         \global \@colroom \@colht
7071         \check@floats
7072         \ifdim\@tempdima>\z@
7073             \global\advance\@colroom by-\@tempdima
7074         \fi
7075         \ifdim\@colroom<\z@
7076             \global\@colroom 1pt
7077             \ifdim\@tempdima>\@colht
7078                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7079                                     netelpe lape \thepage (2 stulpelis)}%
7080             \fi
7081             \@emptycol
7082             \if@firstcolumn
7083             \else
7084                 \@emptycol
7085             \fi
7086             \global\@lastvipertrue
7087         \fi
7088     \fi
7089 \fi
7090 \fi
7091 \if@insert
7092 \else
7093     \advance\@tempdima by-\ht\hold@viper
7094     \global \advance \@colht \@tempdima
7095     \global\setbox\hold@viper \vbox {%
7096                                     \unvbox\hold@viper
7097                                     \csname viper@top@hook\endcsname
7098                                     \vsplit\@viper to \@colht
7099                                     \vss
7100                                     }%
7101     \vbox{}%
7102     \global\@firstcolumnfalse
7103     \newpage
7104 \fi
7105 }

```

## 7.45 cvthemebidicasual.sty

```

7106 \NeedsTeXFormat{LaTeX2e}
7107 \ProvidesPackage{cvthemebidicasual}
7108 \DeclareOption{blue}{\}
7109 \newif\if@colourorange\@colourorangefalse

```



```

7110 \DeclareOption{orange}{\@colourorangetrue}
7111 \newif\if@colourgreen\@colourgreenfalse
7112 \DeclareOption{green}{\@colourgreentrue}
7113 \newif\if@colourred\@colourredfalse
7114 \DeclareOption{red}{\@colourredtrue}
7115 \newif\if@colourgrey\@colourgreyfalse
7116 \DeclareOption{grey}{\@colourgreytrue}
7117 \DeclareOption*{
7118   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7119 \ExecuteOptions{colour}
7120 \ProcessOptions\relax
7121 \renewcommand*{\listitemsymbol}{\textbullet}
7122 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7123 \familynamecolour{808080}
7124 \firstnamecolour{A9A9A9}
7125 \quotecolour{696969}
7126 \addresscolour{696969}
7127 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7128 \sectiontitlecolour{1E90FF}
7129 \subsectioncolour{4682B4}
7130 \definecolor{rulecolour}{gray}{0.6}
7131 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7132 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7133 \if@colourorange
7134   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7135   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7136   \sectiontitlecolour{FF8C00}
7137   \subsectioncolour{FF8C00}
7138   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7139   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7140 \if@colourgreen
7141   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7142   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7143   \sectiontitlecolour{008000}
7144   \subsectioncolour{008000}
7145   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7146   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7147 \if@colourred
7148   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7149   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7150   \sectiontitlecolour{FF0000}
7151   \subsectioncolour{FF0000}
7152   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7153   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7154 \if@colourgrey
7155   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7156   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7157   \sectiontitlecolour{808080}
7158   \subsectioncolour{808080}
7159   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}

```



```

7160 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7161 \renewcommand*{\ttdefault}{pcr}
7162 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7163 \renewcommand*{\familynamefont}{\firstnamefont}
7164 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7165 \renewcommand*{\quoteont}{\large\slshape}
7166 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7167 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7168 \renewcommand*{\maketitle}{%
7169   {%
7170     \ifthenelse{\isundefined{\@photo}}{%
7171       {%
7172         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7173         \hfill%
7174         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7175         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7176       \ifthenelse{\isundefined{\@quote}}{%
7177         {%
7178           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2
7179         }%
7180       \newif\if@firstfooterelement\@firstfooterelementtrue
7181       \providecommand*{\footersymbol}{%
7182         \renewcommand*{\footersymbol}{%
7183           \if@firstfooterelement%
7184           \else%
7185             {~~\color{footersymbolcolor}\textbullet~~}\fi}
7186       \providecommand*{\makefooter}{%
7187         \renewcommand*{\makefooter}{%
7188           \fancypagestyle{plain}{%
7189             \fancyfoot[c]{%
7190               \parbox{0.8\textwidth}{%
7191                 \centering%
7192                 \addressfont\@addresscolour%
7193                 \ifthenelse{\isundefined{\@address}}{}{%
7194                   \addresssymbol~\@address\\%
7195                   \@firstfooterelementfalse}%
7196                 \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7197                 \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelemen
7198                 \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse
7199                 \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@first
7200                 \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfals
7201               }%
7202             \pagestyle{plain}}
7203       \AtBeginDocument{\makefooter}

```

## 7.46 cvthemebidiclassic.sty

```

7204 \NeedsTeXFormat{LaTeX2e}
7205 \ProvidesPackage{cvthemebidiclassic}
7206 \DeclareOption{blue}{}

```



```

7207 \newif\if@colourorange\@colourorangefalse
7208 \DeclareOption{orange}{\@colourorangetrue}
7209 \newif\if@colourgreen\@colourgreenfalse
7210 \DeclareOption{green}{\@colourgreentrue}
7211 \newif\if@colourred\@colourredfalse
7212 \DeclareOption{red}{\@colourredtrue}
7213 \newif\if@colourgrey\@colourgreyfalse
7214 \DeclareOption{grey}{\@colourgreytrue}
7215 \DeclareOption*{
7216   \PackageWarning{cvthemebidicclassic}{Unknown option '\CurrentOption'}}
7217 \ExecuteOptions{colour}
7218 \ProcessOptions\relax
7219 \renewcommand*{\listitemsymbol}{\textbullet}
7220 \firstnamecolour{}
7221 \familynamecolour{}
7222 \titlecolour{808080}
7223 \quotecolour{696969}
7224 \addresscolour{696969}
7225 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7226 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7227 \sectiontitlecolour{1E90FF}
7228 \subsectioncolour{4682B4}
7229 \if@colourorange
7230   \addresscolour{FF8C00}
7231   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7232   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7233   \sectiontitlecolour{FF8C00}
7234   \subsectioncolour{FF8C00}\fi
7235 \if@colourgreen
7236   \addresscolour{008000}
7237   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7238   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7239   \sectiontitlecolour{008000}
7240   \subsectioncolour{008000}\fi
7241 \if@colourred
7242   \addresscolour{FF0000}
7243   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7244   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7245   \sectiontitlecolour{FF0000}
7246   \subsectioncolour{FF0000}\fi
7247 \if@colourgrey
7248   \addresscolour{808080}
7249   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7250   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7251   \sectiontitlecolour{808080}
7252   \subsectioncolour{808080}\fi
7253 \renewcommand*{\ttdefault}{pcr}
7254 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7255 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7256 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}

```



```

7257 \renewcommand*{\familynamefont}{\firstnamefont}
7258 \renewcommand*{\quoteont}{\large\slshape}
7259 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7260 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7261 \newlength{\maketitlemaxwidth}
7262 \setlength{\maketitlemaxwidth}{.525\textwidth}
7263 \newlength{\maketitlefullwidth}
7264 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7265 \newlength{\maketitlewidth}
7266 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}
7267 \newlength{\maketitlepicturewidth}
7268 \setlength{\maketitlepicturewidth}{\@photowidth}
7269 \newlength{\maketitledetailwidth}
7270 \renewcommand*{\recomputethemelengths}{%
7271   \setlength{\maketitledetailwidth}{\textwidth}%
7272   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
7273   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7274   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}%
7275 \recomputethemelengths}
7276 \newif\if@firstdetailselement\@firstdetailselementtrue
7277 \newcommand*{\maketitledetailsnewline}{%
7278   \if@firstdetailselement%
7279     \@firstdetailselementfalse%
7280   \else%
7281     \[\.2em]\fi}
7282 \renewcommand*{\maketitle}{%
7283   % name and title
7284   \begin{minipage}[b]{\maketitlewidth}%
7285     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7286     \ifthenelse{\equal{\@title}{}}{\[\1.25em]\titlestyle{\@title}}{}%
7287   \end{minipage}%
7288   % optional data
7289   \begin{minipage}[b]{\maketitledetailwidth}%
7290     \bidi@raggedleft\addressfont\@addresscolour%
7291     \ifthenelse{\isundefined{\@address}}{\}{}%
7292     \maketitledetailsnewline%
7293     \addresssymbol~\@address}%
7294     \ifthenelse{\isundefined{\@mobile}}{\}{}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7295     \ifthenelse{\isundefined{\@phone}}{\}{}{\maketitledetailsnewline\phonesymbol~\@phone}%
7296     \ifthenelse{\isundefined{\@fax}}{\}{}{\maketitledetailsnewline\faxsymbol~\@fax}%
7297     \ifthenelse{\isundefined{\@email}}{\}{}{\maketitledetailsnewline\emailsymbol~\emailink{\@email}}%
7298     \ifthenelse{\isundefined{\@extrainfo}}{\}{}{\maketitledetailsnewline\@extrainfo}%
7299   \end{minipage}%
7300   % optional photo
7301   \ifthenelse{\isundefined{\@photo}}{\}{}%
7302   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlewidth]{\@photo}}}%
7303   % optional quote
7304   \ifthenelse{\isundefined{\@quote}}{\}{}%
7305   {\hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitlewidth]{\@quote}}}%
7306   {\}{}%

```





```

7307   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}\[2
7308   }

```

## 7.47 dblfnote-xetex-bidi.def

```

7309 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for
7310 \let\autofootnoterule\relax
7311 \let\rightfootnoterule\relax
7312 \let\leftfootnoterule\relax
7313 \let\textwidthfootnoterule\relax
7314 \let\LRfootnoterule\relax
7315 \def\footnoterule{\kern-3\p@
7316   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7317 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7318 \let\@footnotetext\dfn@footnotetext}
7319 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
7320   \let\insert\dfn@gobble
7321   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7322   \def\@makefnmark{\smash{\dfn@makefnmark}}}
7323   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7324   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7325   \ifdim\dfn@dima>\z@\else
7326     \dfn@dima1sp\relax
7327     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7328   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7329     \ifvoid\dfn@ins\else
7330       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7331       \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7332   \setbox\dfn@boxa\copy\dfn@ins
7333   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7334   \advance\@tempdima\@tempdimb \@tempdimb \@tempdima
7335   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7336   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}}%
7337   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7338 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7339 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7340 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7341   \let\insert\dfn@gobble
7342   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7343   \def\@makefnmark{\smash{\dfn@makefnmark}}}
7344   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7345   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7346   \ifdim\dfn@dima>\z@\else
7347     \dfn@dima1sp\relax
7348     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7349   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7350     \ifvoid\dfn@ins\else
7351       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7352       \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7353   \setbox\dfn@boxa\copy\dfn@ins

```



```

7354 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7355 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7356 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7357 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7358 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}%
7359 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7360 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7361 \def\dfn@RTLmakecol{{\ifvoid\footins\else
7362 \dfn@dima\ht\footins
7363 \@tempcnta\z@ \dfn@countins
7364 \@tempdima\z@ \let\@elt\dfn@elt@getht
7365 \dfn@list\@nil
7366 \ifdim\@tempdima=\z@\else
7367 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7368 \global\setbox\dfn@ins\box\dfn@ins
7369 \@tempswatruue
7370 \ifdfn@trysingle
7371 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7372 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7373 \advance\@tempdima-\skip\footins
7374 \advance\@tempdima-\ht\dfn@boxa
7375 \ifdim\@tempdima<\z@\else \@tempswafalse
7376 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7377 \footnoterule \unvbox\dfn@boxa}\fi\fi
7378 \if@tempswa
7379 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7380 \global\setbox\footins\vbox{\hbox{%
7381 \hskip \DFNcolumnwidth
7382 \hskip\DFNcolumnsep
7383 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7384 \unvbox\dfn@boxb\vss}\hss}
7385 \hskip -\textwidth
7386 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7387 \vbox to\@tempdima{
7388 \setbox\@tempboxa\vbox{\footnoterule}
7389 \ifdfn@ruleboth \unvbox\@tempboxa
7390 \else \@tempdima\ht\@tempboxa
7391 \advance\@tempdima\dp\@tempboxa
7392 \vskip\@tempdima
7393 \prevdepth\dp\@tempboxa \fi
7394 \unvbox\dfn@boxa\vss}\fi\hss}
7395 \hskip \DFNcolumnsep
7396 \hskip \DFNcolumnwidth}}\fi\fi
7397 \global\dfn@fnht\z@
7398 \ifx\dfn@list\@empty\else
7399 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7400 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7401 \let\@elt\relax
7402 \ifdim\dfn@dimb>\z@
7403 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%

```



```

7404         \insert\footins{\floatingpenalty\@MM
7405             \vbox to\dfn@dimb{}}\fi
7406     \ifdim\dfn@fnht>\@tempdima
7407         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7408         \global\dfn@fnht\@tempdima
7409         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7410         \xdef\dfn@afteroutput{\insert\footins{
7411             \floatingpenalty\@MM
7412             \vbox to\number\@tempdimb sp{}}}%
7413         \global\let\noexpand\dfn@afteroutput\relax}%
7414     \fi\fi
7415 \fi}%
7416 \let\footnoterule\relax \dfn@latex@makecol
7417 \let\footnoterule\dfn@footnoterule}
7418 \def\dfn@LTRmakecol{\ifvoid\footins\else
7419     \dfn@dim\ht\footins
7420     \@tempcnta\z@ \dfn@countins
7421     \@tempdima\z@ \let\@elt\dfn@elt@getht
7422     \dfn@list\@nil
7423     \ifdim\@tempdima=\z@ \else
7424         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7425         \global\setbox\dfn@ins\box\dfn@ins
7426         \@tempswatrue
7427         \ifdfn@trysingle
7428             \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7429             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7430             \advance\@tempdima-\skip\footins
7431             \advance\@tempdima-\ht\dfn@boxa
7432             \ifdim\@tempdima<\z@ \else \@tempswafalse
7433                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7434                     \footnoterule \unvbox\dfn@boxa}\fi\fi
7435         \if@tempswa
7436             \dfn@split{\dfn@dim}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7437             \global\setbox\footins\vbox{\hbox{%
7438                 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7439                     \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7440                 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7441                     \vbox to\@tempdima{
7442                         \setbox\@tempboxa\vbox{\footnoterule}
7443                         \ifdfn@ruleboth \unvbox\@tempboxa
7444                         \else \@tempdima\ht\@tempboxa
7445                         \advance\@tempdima\dp\@tempboxa
7446                         \vskip\@tempdima
7447                         \prevdepth\dp\@tempboxa \fi
7448                         \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7449             \global\dfn@fnht\z@
7450         \ifx\dfn@list\@empty\else
7451             \let\@elt\dfn@elt@adjust \dfn@dim\z@ \dfn@dimb\z@
7452             \dfn@list \global\advance\dfn@fnht\dfn@dimb
7453             \let\@elt\relax

```



```

7454 \ifdim\dfn@dimb>\z@
7455 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7456 \insert\footins{\floatingpenalty\@MM
7457 \vbox to\dfn@dimb{}}\fi
7458 \ifdim\dfn@fnht>\@tempdima
7459 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7460 \global\dfn@fnht\@tempdima
7461 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7462 \xdef\dfn@afteroutput{\insert\footins{
7463 \floatingpenalty\@MM
7464 \vbox to\number\@tempdimb sp{}}%
7465 \global\let\noexpand\dfn@afteroutput\relax}%
7466 \fi\fi
7467 \fi}%
7468 \let\footnoterule\relax \dfn@latex@makecol
7469 \let\footnoterule\dfn@footnoterule}
7470 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7471 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7472 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7473 \DFNalwaysdouble

```

## 7.48 draftwatermark-xetex-bidi.def

```

7474 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
7475 \renewcommand\SetWatermarkText[1]{%
7476 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

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

```

7477 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for X
7478 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7479 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
7480
7481 \ESO@isMEMOIR{%
7482 \renewcommand\AtTextUpperLeft[1]{%
7483 \begingroup
7484 \ifodd\c@page
7485 \@tempdima=\spinemargin
7486 \else
7487 \@tempdima=\paperwidth
7488 \advance\@tempdima-\textwidth
7489 \advance\@tempdima-\spinemargin
7490 \fi
7491 \@tempdimb=-\uppermargin
7492 \AtPageUpperLeft{%
7493 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7494 }%
7495 \endgroup
7496 }
7497 }{%
7498 \renewcommand\AtTextUpperLeft[1]{%

```



```

7499 \begingroup
7500 \@tempdima=1in\relax
7501 \ifodd\c@page
7502 \advance\@tempdima\oddsidemargin
7503 \else
7504 \advance\@tempdima\evensidemargin
7505 \fi
7506 \@tempdimb=-1in\relax
7507 \advance\@tempdimb-\topmargin
7508 \advance\@tempdimb-\headheight
7509 \advance\@tempdimb-\headsep
7510 \AtPageUpperLeft{%
7511 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7512 }%
7513 \endgroup
7514 }
7515 }

```

## 7.50 empheq-xetex-bidi.def

```

7516 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeTeX]
7517 \MHInternalSyntaxOn
7518 \def\EQ_tag_plus_endmark:{%
7519 \iftagsleft@
7520 \gdef\maketag@@@#1{%
7521 \hfuzz\displaywidth
7522 \if@RTL\makebox[\widthof{#1}][r]{%
7523 \hbox to \displaywidth{\m@th\normalfont##1\hss
7524 \raisebox{-\dp\EQ_mathdisplay_box
7525 -\depthof{\EQ_outerbox:}}{
7526 {\PotEndMark{\hss}}}}
7527 \else\makebox[\widthof{#1}][l]{%
7528 \hbox to \displaywidth{\m@th\normalfont##1\hss
7529 \raisebox{-\dp\EQ_mathdisplay_box
7530 -\depthof{\EQ_outerbox:}}{
7531 {\PotEndMark{\hss}}}}\fi}%
7532 \else:
7533 \gdef\maketag@@@#1{%
7534 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
7535 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
7536 \MH_addtolength:dn \@tempdima
7537 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7538 \setlength{\@tempdimb}
7539 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7540 +\depthof{\EQ_innerbox:}}}}
7541 \if_dim:w \@tempdima>\@tempdimb
7542 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7543 -\@tempdima+\g_EQ_bottomrow_depth_dim}
7544 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
7545 \def\EQ_next:{\raisebox{\@tempdima}}%

```



```

7546         \else:
7547             \def\EQ_next:{
7548                 \raisebox{-\dp\EQ_mathdisplay_box
7549                     -\depthof{\EQ_outerbox:}}{}}%
7550             \fi:\EQ_next:}}}%
7551     \fi:}
7552 \def\EQ_post_process:{%
7553     \EQ_initialize:
7554     \EQ_begin_equation:
7555     \MH_if_boolean:nT {outer_mult}{
7556         \setkeys{\MT_options_name:}{
7557             firstline-afterskip=0pt,
7558             lastline-preskip=0pt,
7559             multlined-width=0pt,
7560         }
7561         \ifodd \l_EQ_alignmentmode_int
7562             \setkeys{\MT_options_name:}{multlined-pos=b}
7563         \else:
7564             \setkeys{\MT_options_name:}{multlined-pos=t}
7565         \fi:
7566         \g@addto@macro\EQ_complete_mathdisplay:{
7567             \begin{MTmultlined}\relax}
7568     }
7569     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7570     \MH_if_boolean:nT {outer_mult}{
7571         \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7572     }
7573     \EQ_end_equation:
7574     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7575     \savecounters@
7576     \EQ_typeset_tags:
7577     \edef\l_EQ_equation_fint{\number\c@equation}
7578     \restorecounters@
7579     \Hy@linkcounter=\EQ_hyperref_link_fint
7580     \settowidth\l_EQ_totalwidth_dim{%
7581         $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
7582     \MH_if_boolean:nTF {outer_mult}
7583     { \def\EQ_next:{_mult} }
7584     { \def\EQ_next:{} }
7585     \@nameuse{EQ_modify_linewidth_
7586         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7587     \EQ_typeset_display:
7588     \@nameuse{find_displaywidth_
7589         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7590     \MH_addtolength:dn
7591     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7592     \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7593         $\EQ_left_side:
7594         \EQ_innerbox:{%
7595             \if_case:w \l_EQ_alignmentmode_int\or:

```



```

7596     \makebox[\l_EQ_displaywidth_dim][c]
7597     {\usebox{\EQ_mathdisplay_box}}%
7598 \or:
7599     \makebox[\l_EQ_displaywidth_dim][c]
7600     {\usebox{\EQ_mathdisplay_box}}%
7601 \or:
7602     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7603     \if_num:w \l_EQ_equationtype_int=5 \else:
7604     \if_num:w \l_EQ_equationtype_int=6 \else:
7605     \kern-\@mathmargin
7606     \fi:
7607     \fi:
7608     \usebox{\EQ_mathdisplay_box}}%
7609 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7610     \if_num:w \l_EQ_equationtype_int=5 \else:
7611     \if_num:w \l_EQ_equationtype_int=6 \else:
7612     \kern-\@mathmargin
7613     \fi:
7614     \fi:
7615     \usebox{\EQ_mathdisplay_box}}\fi%
7616 \or:
7617     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7618     \if_num:w \l_EQ_equationtype_int=5 \else:
7619     \if_num:w \l_EQ_equationtype_int=6 \else:
7620     \kern-\@mathmargin
7621     \fi:
7622     \fi:
7623     \usebox{\EQ_mathdisplay_box}}
7624 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7625     \if_num:w \l_EQ_equationtype_int=5 \else:
7626     \if_num:w \l_EQ_equationtype_int=6 \else:
7627     \kern-\@mathmargin
7628     \fi:
7629     \fi:
7630     \usebox{\EQ_mathdisplay_box}}\fi%
7631 \fi:}%
7632 \EQ_right_side:$}%
7633 \begin{AmSequation*}
7634 \@nameuse{EQ_place_display_
7635     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7636 \if_dim:w \g_EQ_widesttag_dim>\z@
7637 \MH_set_boolean_T:n {show_manual_tags}
7638 \if_case:w \l_EQ_alignmentmode_int
7639 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
7640 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
7641 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
7642 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
7643 \fi:
7644 \fi:
7645 \end{AmSequation*}

```



```

7646 \global\c@equation=\l_EQ_equation_fint\relax
7647 }
7648 \AtBeginDocument{%
7649 \ifpackageloaded{fancybox}{%
7650 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7651 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
7652 \renewcommand*\shadowbox{%
7653 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
7654 \VerbBox\EQ_shadowbox:n}
7655 {\MH_set_boolean_F:n {shadowbox_star}
7656 \VerbBox\EQ_shadowbox:n}}
7657 \def\EQ_shadowbox:n #1{%
7658 \sbox{z@}{\fbox{#1}}%
7659 \MH_if_boolean:nTF {shadowbox_star}{
7660 \MH_setlength:dn \@tempdima{z@}%
7661 }{
7662 \MH_setlength:dn \@tempdima{\dp z@+\shadowsize}%
7663 }
7664 \raisebox{\@tempdima}{%
7665 \if@RTL\makebox[z@][r]{%
7666 \kern\shadowsize \textcolor{shadowcolor}{%
7667 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
7668 }%
7669 \else\makebox[z@][l]{%
7670 \kern\shadowsize \textcolor{shadowcolor}{%
7671 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
7672 }%
7673 \usebox z@\textcolor{shadowcolor}{%
7674 \rule[-\dp z@-\shadowsize]{\shadowsize}{\ht z@+\dp z@}}}%
7675 }{}%
7676 }
7677 \MHInternalSyntaxOff

```

## 7.51 extarticle-xetex-bidi.def

```

7678 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class]
7679 \renewcommand*\l@section[2]{%
7680 \ifnum \c@tocdepth > \z@
7681 \addpenalty\@secpenalty
7682 \addvspace{1.0em \@plus\p@}%
7683 \setlength\@tempdima{1.5em}%
7684 \begingroup
7685 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7686 \parfillskip -\@pnumwidth
7687 \leavevmode \bfseries
7688 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7689 \hskip -\if@RTL\rightskip\else\leftskip\fi
7690 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7691 \endgroup
7692 \fi}

```





```

7693 \renewcommand*\l@part[2]{%
7694 \ifnum \c@tocdepth >-2\relax
7695 \addpenalty\@secpenalty
7696 \addvspace{2.25em \@plus\p@}%
7697 \begingroup
7698 \setlength\@tempdima{3em}%
7699 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7700 \parfillskip -\@pnumwidth
7701 {\leavevmode
7702 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7703 \nobreak
7704 \endgroup
7705 \fi}
7706 \def\@part[#1]#2{%
7707 \ifnum \c@secnumdepth >\m@ne
7708 \refstepcounter{part}%
7709 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7710 \else
7711 \addcontentsline{toc}{part}{#1}%
7712 \fi
7713 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7714 \interlinepenalty \@M
7715 \normalfont
7716 \ifnum \c@secnumdepth >\m@ne
7717 \Large\bfseries \partname~\thepart
7718 \par\nobreak
7719 \fi
7720 \huge \bfseries #2%
7721 \markboth{}{}\par}%
7722 \nobreak
7723 \vskip 3ex
7724 \@afterheading}
7725 \def\@spart#1{%
7726 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7727 \interlinepenalty \@M
7728 \normalfont
7729 \huge \bfseries #1\par}%
7730 \nobreak
7731 \vskip 3ex
7732 \@afterheading}
7733 \renewenvironment{thebibliography}[1]
7734 {\section*{\refname
7735 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7736 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7737 \list{\@biblabel{\@arabic\c@enumiv}}%
7738 {\settowidth\labelwidth{\@biblabel{#1}}%
7739 \leftmargin\labelwidth
7740 \advance\leftmargin\labelsep
7741 \@openbib@code
7742 \usecounter{enumiv}}%

```



```

7743         \let\p@enumiv\@empty
7744         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7745         \sloppy\clubpenalty4000\widowpenalty4000%
7746         \sfcode`\.\@m}
7747     {\def\@noitemerr
7748      {\@latex@warning{Empty `thebibliography' environment}}}%
7749     \endlist}
7750 \renewcommand\left@footnoterule{%
7751   \kern-3\p@
7752   \hrule\@width.4\columnwidth
7753   \kern2.6\p@}
7754 \renewcommand\right@footnoterule{%
7755   \kern-3\p@
7756   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7757   \kern2.6\p@}
7758   \if@titlepage
7759   \renewcommand\maketitle{\begin{titlepage}%
7760     \let\footnotesize\small
7761     \let\right@footnoterule\relax
7762     \let\left@footnoterule\relax
7763     \let\textwidth\footnoterule\relax
7764     \let \footnote \thanks
7765     \null\vfil
7766     \vskip 60\p@
7767     \begin{center}%
7768       {\LARGE \@title \par}%
7769       \vskip 3em%
7770       {\large
7771        \lineskip .75em%
7772        \begin{tabular}[t]{c}%
7773          \@author
7774          \end{tabular}\par}%
7775       \vskip 1.5em%
7776       {\large \@date \par}%           % Set date in \large size.
7777     \end{center}\par
7778     \@thanks
7779     \vfil\null
7780   \end{titlepage}%
7781   \setcounter{footnote}{0}%
7782   \global\let\thanks\relax
7783   \global\let\maketitle\relax
7784   \global\let\@thanks\@empty
7785   \global\let\@author\@empty
7786   \global\let\@date\@empty
7787   \global\let\@title\@empty
7788   \global\let\title\relax
7789   \global\let\author\relax
7790   \global\let\date\relax
7791   \global\let\and\relax
7792 }

```



```

7793 \else
7794 \renewcommand\maketitle{\par
7795   \begin{group}
7796     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7797     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7798     \long\def\@makefntext##1{\parindent 1em\noindent
7799       \hb@xt@1.8em{%
7800         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7801     \if@twocolumn
7802       \ifnum \col@number=\@ne
7803         \@maketitle
7804       \else
7805         \twocolumn[\@maketitle]%
7806       \fi
7807     \else
7808       \newpage
7809       \global\@topnum\z@ % Prevents figures from going at top of page.
7810       \@maketitle
7811     \fi
7812     \thispagestyle{plain}\@thanks
7813   \end{group}
7814   \setcounter{footnote}{0}%
7815   \global\let\thanks\relax
7816   \global\let\maketitle\relax
7817   \global\let\@maketitle\relax
7818   \global\let\@thanks\@empty
7819   \global\let\@author\@empty
7820   \global\let\@date\@empty
7821   \global\let\@title\@empty
7822   \global\let\title\relax
7823   \global\let\author\relax
7824   \global\let\date\relax
7825   \global\let\and\relax
7826 }
7827 \def\@maketitle{%
7828   \newpage
7829   \null
7830   \vskip 2em%
7831   \begin{center}%
7832     \let \footnote \thanks
7833     {\LARGE \@title \par}%
7834     \vskip 1.5em%
7835     {\large
7836       \lineskip .5em%
7837       \begin{tabular}[t]{c}%
7838         \@author
7839       \end{tabular}\par}%
7840     \vskip 1em%
7841     {\large \@date}%
7842   \end{center}%

```



```

7843 \par
7844 \vskip 1.5em}
7845 \fi
7846 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
7847 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7848 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7849 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

## 7.52 extbook-xetex-bidi.def

```

7850 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeTeX]
7851 \if@titlepage
7852 \renewcommand\maketitle{\begin{titlepage}%
7853 \let\footnotesize\small
7854 \let\right@footnoterule\relax
7855 \let\left@footnoterule\relax
7856 \let\textwidth\footnoterule\relax
7857 \let \footnote \thanks
7858 \let \LTRfootnote \LTRthanks
7859 \let \RTLfootnote \RTLthanks
7860 \null\vfil
7861 \vskip 60\p@
7862 \begin{center}%
7863 {\LARGE \@title \par}%
7864 \vskip 3em%
7865 {\large
7866 \lineskip .75em%
7867 \begin{tabular}[t]{c}%
7868 \@author
7869 \end{tabular}\par}%
7870 \vskip 1.5em%
7871 {\large \@date \par}% % Set date in \large size.
7872 \end{center}\par
7873 \@thanks
7874 \vfil\null
7875 \end{titlepage}%
7876 \setcounter{footnote}{0}%
7877 \global\let\thanks\relax
7878 \global\let\LTRthanks\relax
7879 \global\let\RTLthanks\relax
7880 \global\let\maketitle\relax
7881 \global\let\@thanks\@empty
7882 \global\let\@author\@empty
7883 \global\let\@date\@empty
7884 \global\let\@title\@empty
7885 \global\let\title\relax
7886 \global\let\author\relax
7887 \global\let\date\relax
7888 \global\let\and\relax
7889 }

```



```

7890 \else
7891 \renewcommand\maketitle{\par
7892   \begin{group}
7893     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7894     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7895     \long\def\@makefntext##1{\parindent 1em\noindent
7896       \hb@xt@1.8em{%
7897         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7898     \if@twocolumn
7899       \ifnum \col@number=\@ne
7900         \@maketitle
7901       \else
7902         \twocolumn[\@maketitle]%
7903       \fi
7904     \else
7905       \newpage
7906       \global\@topnum\z@ % Prevents figures from going at top of page.
7907       \@maketitle
7908     \fi
7909     \thispagestyle{plain}\@thanks
7910   \end{group}
7911   \setcounter{footnote}{0}%
7912   \global\let\thanks\relax
7913   \global\let\LTRthanks\relax
7914   \global\let\RTLthanks\relax
7915   \global\let\maketitle\relax
7916   \global\let\@maketitle\relax
7917   \global\let\@thanks\@empty
7918   \global\let\@author\@empty
7919   \global\let\@date\@empty
7920   \global\let\@title\@empty
7921   \global\let\title\relax
7922   \global\let\author\relax
7923   \global\let\date\relax
7924   \global\let\and\relax
7925 }
7926 \def\@maketitle{%
7927   \newpage
7928   \null
7929   \vskip 2em%
7930   \begin{center}%
7931     \let \footnote \thanks
7932     \let \LTRfootnote \LTRthanks
7933     \let \RTLfootnote \RTLthanks
7934     {\LARGE \@title \par}%
7935     \vskip 1.5em%
7936     {\large
7937       \lineskip .5em%
7938       \begin{tabular}[t]{c}%
7939         \@author

```



```

7940     \end{tabular}\par}%
7941     \vskip 1em%
7942     {\large \@date}%
7943     \end{center}%
7944     \par
7945     \vskip 1.5em}
7946 \fi
7947 \renewcommand*\l@part[2]{%
7948   \ifnum \c@tocdepth >-2\relax
7949     \addpenalty{-\@highpenalty}%
7950     \addvspace{2.25em \@plus\p@}%
7951     \begingroup
7952       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7953       \parfillskip -\@pnumwidth
7954       {\leavevmode
7955         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7956       \nobreak
7957       \global\@nobreaktrue
7958       \everypar{\global\@nobreakfalse\everypar{}}%
7959     \endgroup
7960   \fi}
7961 \renewcommand\theequation
7962   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7963 \renewcommand \thefigure
7964   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7965 \renewcommand \thetable
7966   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7967 \renewcommand \thechapter {\@arabic\c@chapter}
7968 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7969 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7970 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7971 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7972 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7973 \def\@makechapterhead#1{%
7974   \vspace*{50\p@}%
7975   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7976     \ifnum \c@secnumdepth >\m@ne
7977       \if@mainmatter
7978         \huge\bfseries \@chapapp\space \thechapter
7979         \par\nobreak
7980         \vskip 20\p@
7981       \fi
7982     \fi
7983     \interlinepenalty\@M
7984     \Huge \bfseries #1\par\nobreak
7985     \vskip 40\p@
7986   }}
7987
7988 \def\@makeschapterhead#1{%
7989   \vspace*{50\p@}%

```



```

7990 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7991 \normalfont
7992 \interlinepenalty\@M
7993 \Huge \bfseries #1\par\nobreak
7994 \vskip 40\p@
7995 }}
7996 \renewcommand\backmatter{%
7997 \if@openright
7998 \cleardoublepage
7999 \else
8000 \clearpage
8001 \fi
8002 \@mainmatterfalse}
8003 \renewenvironment{thebibliography}[1]
8004 {\chapter*{\bibname
8005 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8006 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8007 \list{\@biblabel{\@arabic\c@enumiv}}%
8008 {\settowidth\labelwidth{\@biblabel{#1}}%
8009 \leftmargin\labelwidth
8010 \advance\leftmargin\labelsep
8011 \@openbib@code
8012 \usecounter{enumiv}%
8013 \let\p@enumiv\@empty
8014 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8015 \sloppy
8016 \clubpenalty4000
8017 \@clubpenalty \clubpenalty
8018 \widowpenalty4000%
8019 \sfcode\.\@m}
8020 {\def\@noitemerr
8021 {\@latex@warning{Empty `thebibliography' environment}}%
8022 \endlist}

```

## 7.53 extletter-xetex-bidi.def

```

8023 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
8024 \renewcommand*\opening}[1]{\ifx\@empty\fromaddress
8025 \thispagestyle{firstpage}%
8026 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8027 \else % home address
8028 \thispagestyle{empty}%
8029 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8030 \fromaddress \[*[2\parskip]%
8031 \@date \end{tabular}\par}%
8032 \fi
8033 \vspace{2\parskip}%
8034 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
8035 \vspace{2\parskip}%
8036 #1\par\nobreak}

```



```

8037 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8038   \stopbreaks
8039   \noindent
8040   \ifx\@empty\fromaddress\else
8041     \hspace*{\longindentation}\fi
8042   \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8043     \ignorespaces #1\[[6\medskipamount]%
8044     \ifx\@empty\fromsig
8045       \fromname
8046     \else \fromsig \fi\strut}%
8047   \par}
8048 \renewcommand\left@footnoterule{%
8049   \kern-\p@
8050   \hrule \@width .4\columnwidth
8051   \kern .6\p@}
8052 \renewcommand\right@footnoterule{%
8053   \kern-\p@
8054   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8055   \kern .6\p@}

```

## 7.54 extrafootnotefeatures-xetex-bidi.def

```

8056 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2016/05/10 v1 bidi extra footnote features]
8057 \let\autofootnoterule\relax
8058 \let\rightfootnoterule\relax
8059 \let\leftfootnoterule\relax
8060 \let\textwidthfootnoterule\relax
8061 \let\LRfootnoterule\relax
8062 \def\footnoterule{\kern-3\p@
8063   \hrule \@width \columnwidth \kern 2.6\p@}
8064 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8065 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8066 \renewcommand{\@footnotetext}[1]{%
8067   \insert\footins{%
8068     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8069     \def\baselinestretch{\m@m@footnote@spacing}%
8070     \reset@font
8071     \foottextfont
8072     \@preamfntext
8073     \hsize\columnwidth
8074     \protected@edef\@currentlabel{%
8075       \csname p@footnote\endcsname\@thefnmark}%
8076     \color@begingroup
8077     \@makefntext{%
8078       \rule{\z@}{\footnotesep}\ignorespaces{\foottextfont #1}%
8079       \@finalstrut\strutbox}%
8080     \color@endgroup}%
8081     \m@m@f@prepare}
8082 \renewcommand{\@RTLfootnotetext}[1]{%
8083   \insert\footins{%

```





```

8084 \RTLtrue%
8085 \def\baselinestretch{\m@m@footnote@spacing}%
8086 \reset@font
8087 \RTLfoottextfont
8088 \@preamfntext
8089 \hsize\columnwidth
8090 \protected@edef\@currentlabel{%
8091   \csname p@footnote\endcsname\@thefnmark}%
8092 \color@begingroup
8093   \@makefntext{%
8094     \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8095     \@finalstrut\strutbox}%
8096 \color@endgroup}%
8097 \m@mmf@prepare}
8098 \renewcommand{\@LTRfootnotetext}[1]{%
8099   \insert\footins{%
8100     \@RTLfalse%
8101     \def\baselinestretch{\m@m@footnote@spacing}%
8102     \reset@font
8103     \LTRfoottextfont
8104     \@preamfntext
8105     \hsize\columnwidth
8106     \protected@edef\@currentlabel{%
8107       \csname p@footnote\endcsname\@thefnmark}%
8108     \color@begingroup
8109       \@makefntext{%
8110         \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8111         \@finalstrut\strutbox}%
8112     \color@endgroup}%
8113     \m@mmf@prepare}
8114 \renewcommand{\@mpfootnotetext}[1]{%
8115 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8116   \unvbox\@mpfootins
8117   \def\baselinestretch{\m@m@footnote@spacing}%
8118   \foottextfont \hsize\columnwidth \@parboxrestore
8119   \protected@edef\@currentlabel{%
8120     \csname p@mpfootnote\endcsname\@thefnmark}%
8121   \color@begingroup
8122   \reset@font%
8123   \@makefntext{%
8124     \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8125     \@finalstrut\strutbox}%
8126   \color@endgroup}}
8127 \renewcommand{\@mpLTRfootnotetext}[1]{%
8128 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8129   \unvbox\@mpfootins
8130   \def\baselinestretch{\m@m@footnote@spacing}%
8131   \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8132   \protected@edef\@currentlabel{%
8133     \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

8134 \color@begingroup
8135 \reset@font%
8136 \makefnintext{%
8137     \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8138     \@finalstrut\strutbox}%
8139 \color@endgroup}}
8140 \renewcommand{\@mpRTLfootnotetext}[1]{%
8141     \global\setbox\@mpfootins\vbox{\@RTLtrue%
8142         \unvbox\@mpfootins
8143         \def\baselinestretch{\m@m@footnote@spacing}%
8144         \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8145         \protected@edef\@currentlabel{%
8146             \csname p@mpfootnote\endcsname\@thefnmark}%
8147         \color@begingroup
8148         \reset@font%
8149         \makefnintext{%
8150             \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8151             \@finalstrut\strutbox}%
8152         \color@endgroup}}
8153 \let\m@mold@footnotetext\@footnotetext
8154 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8155 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8156 \let\m@mold@mpfootnotetext\@mpfootnotetext
8157 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8158 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8159 \bidi@ensure@newcommand{\normalfootnotes}{%
8160     \let\@footnotetext\m@mold@footnotetext
8161     \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8162     \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8163     \let\@mpfootnotetext\m@mold@mpfootnotetext
8164     \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8165     \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
8166 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8167     \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestrue}
8168     \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8169     \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8170         \def\m@m@singlespace{#1}%
8171         \def\m@m@footnote@spacing{#1}%
8172         \def\m@m@float@spacing{#1} %
8173     }
8174     \setSingleSpace{1}
8175     \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8176     \bidi@ensure@newcommand*{\m@mmf@prepare}{%
8177         \kern-\multiplefootnotemarker
8178         \kern\multiplefootnotemarker\relax}
8179     \bidi@ensure@newlength{\footmarkwidth}
8180     \bidi@ensure@newlength{\footmarksep}
8181     \bidi@ensure@newlength{\footparindent}
8182     \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8183     \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}

```



```

8184 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8185 \bidi@ensure@newcommand{\footfootmark}{%
8186   \ifdim\footmarkwidth < \z@
8187     \llap{\hb@xt@ -\footmarkwidth{%
8188       \hss\normalfont\footscript{\@thefnmark}}}%
8189     \hspace*{-\footmarkwidth}}%
8190   \else
8191     \ifdim\footmarkwidth = \z@
8192       {\normalfont\footscript{\@thefnmark}}%
8193     \else
8194       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8195     \fi
8196   \fi}
8197 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8198   \ifdim\footmarkwidth < \z@
8199     \llap{\hb@xt@ -\footmarkwidth{%
8200       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8201     \hspace*{-\footmarkwidth}}%
8202   \else
8203     \ifdim\footmarkwidth = \z@
8204       {\normalfont\LTRfootscript{\@thefnmark}}%
8205     \else
8206       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8207     \fi
8208   \fi}
8209 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8210   \ifdim\footmarkwidth < \z@
8211     \llap{\hb@xt@ -\footmarkwidth{%
8212       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8213     \hspace*{-\footmarkwidth}}%
8214   \else
8215     \ifdim\footmarkwidth = \z@
8216       {\normalfont\RTLfootscript{\@thefnmark}}%
8217     \else
8218       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8219     \fi
8220   \fi}
8221 \footmarkstyle{\textsuperscript{#1}}
8222 \LTRfootmarkstyle{\textsuperscript{#1}}
8223 \RTLfootmarkstyle{\textsuperscript{#1}}
8224 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8225 \setlength{\footparindent}{1em}
8226 \bidi@ensure@newcommand{\m@doextrafeet}{\extrafeetins}
8227 \bidi@ensure@newcommand*{\extrafeetins}{%
8228   \setbox\@outputbox \vbox{%
8229     \boxmaxdepth \@maxdepth
8230     \unvbox\@outputbox
8231     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8232     \extrafeetinshook}}
8233 \bidi@ensure@newcommand{\extrafeetinshook}{%

```



```

8234 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8235 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8236 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8237 \bidi@ensure@newlength{\footinsdim}
8238 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8239 \bidi@ensure@newcommand{\@preamfntext}{%
8240 \interlinepenalty\interfootnotelinepenalty
8241 \floatingpenalty \@MM
8242 \splittopskip=\footnotesep
8243 \splitmaxdepth=\dp\strutbox
8244 \@parboxrestore}
8245 \bidi@ensure@newcommand{\m@mmdoextrafeetmini}{%
8246 \extrafeetminihook}
8247 \bidi@ensure@newcommand{\extrafeetendmini}{%
8248 \ifvoid\@mpfootinsv@r\else
8249 \vskip\skip\@mpfootins
8250 \normalcolor\footnoterule\mp@footgroupv@r
8251 \fi
8252 \extrafeetendminihook}
8253 \bidi@ensure@newcommand{\extrafeetendminihook}{}
8254 \bidi@ensure@newcommand{\m@mmdoextrafeetendmini}{\extrafeetendmini}
8255 \def\endminipage{%
8256 \par
8257 \unskip
8258 \ifvoid\@mpfootins\else
8259 \vskip\skip\@mpfootins
8260 \normalcolor
8261 \footnoterule
8262 \unvbox\@mpfootins
8263 \fi
8264 \m@mmdoextrafeetendmini
8265 \@minipagefalse
8266 \color@endgroup
8267 \egroup
8268 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8269 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8270 \@namedef{\@footstart#1}{%
8271 \bidi@mopfn@bottom
8272 \vskip\bigskipamount
8273 \leftskip=\z@
8274 \rightskip=\z@
8275 \footnoterule}}
8276 \newinsert\footinsv@r
8277 \skip\footinsv@r\bigskipamount
8278 \count\footinsv@r=1000 % no magnification
8279 \dimen\footinsv@r=\footinsdim
8280 \m@make@footstart{v@r}
8281 \bidi@ensure@newcommand{\@footgroupv@r}{%
8282 \newinsert\@mpfootinsv@r
8283 \bidi@ensure@newcommand{\mp@footgroupv@r}{%

```



```

8284 \newcount\m@m@k \newdimen\m@m@h
8285 \ifpackageloaded{multicol}{%
8286 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8287 \hsize\textwidth
8288 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8289 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8290 }{%
8291 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8292 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8293 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8294 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8295 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8296 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8297 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8298 \setbox2 \vsplit0 to \dimen0
8299 \unvbox2 }
8300 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8301 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8302 \let\@footnotetext\@twocolfootnotetext
8303 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8304 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8305 \dimen\footinsv@r=2\footinsdim
8306 \count\footinsv@r=500\relax
8307 \m@make@twocol@footgroup{v@r}%
8308 \let\@footgroupv@r\@twocol@footgroupv@r
8309 \let\@mpfootnotetext\@mptwocolfootnotetext
8310 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8311 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8312 \m@make@mptwocol@footgroup{v@r}%
8313 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
8314 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTLfootnote\@RTLtrue
8315 \def\baselinestretch{\m@m@footnote@spacing}%
8316 \reset@font\foottextfont
8317 \@preamfntext
8318 \protected@edef\@currentlabel{%
8319 \csname p@footnote\endcsname\@thefnmark}%
8320 \color@begingroup
8321 \@twocolfootfmt{#1}%
8322 \color@endgroup}%
8323 \m@mmf@prepare}
8324 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
8325 \def\baselinestretch{\m@m@footnote@spacing}%
8326 \reset@font\LTRfoottextfont
8327 \@preamfntext
8328 \protected@edef\@currentlabel{%
8329 \csname p@footnote\endcsname\@thefnmark}%
8330 \color@begingroup
8331 \@twocolLTRfootfmt{#1}%
8332 \color@endgroup}%
8333 \m@mmf@prepare}

```



```

8334 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8335 \def\baselinestretch{\m@m@footnote@spacing}%
8336 \reset@font\RTLfoottextfont
8337 \@preamfntext
8338 \protected@edef\@currentlabel{%
8339 \csname p@footnote\endcsname\@thefnmark}%
8340 \color@begingroup
8341 \@twocolRTLfootfmt{#1}%
8342 \color@endgroup}%
8343 \m@mmf@prepare}
8344 \bidi@ensure@newcommand{\@preamtwofmt}{%
8345 \hsize .45\hsize
8346 \parindent=\z@
8347 \tolerance=5000\relax
8348 \leavevmode}
8349 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8350 \@preamtwofmt
8351 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8352 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8353 \@preamtwofmt
8354 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8355 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8356 \@preamtwofmt
8357 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8358 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
8359 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8360 \unvbox\@mpfootinsv@r
8361 \def\baselinestretch{\m@m@footnote@spacing}%
8362 \reset@font\foottextfont
8363 \hsize\columnwidth \@parboxrestore
8364 \protected@edef\@currentlabel{%
8365 \csname p@mpfootnote\endcsname\@thefnmark}%
8366 \color@begingroup
8367 \@twocolfootfmt{#1}%
8368 \color@endgroup}%
8369 \m@mmf@prepare}
8370 \bidi@ensure@newcommand{\@emptwocolLTRfootnotetext}[1]{%
8371 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8372 \unvbox\@mpfootinsv@r
8373 \def\baselinestretch{\m@m@footnote@spacing}%
8374 \reset@font\LTRfoottextfont
8375 \hsize\columnwidth \@parboxrestore
8376 \if@RTLcolumnfootnotes\beginL\fi
8377 \protected@edef\@currentlabel{%
8378 \csname p@mpfootnote\endcsname\@thefnmark}%
8379 \color@begingroup
8380 \@twocolLTRfootfmt{#1}%
8381 \color@endgroup}%
8382 \m@mmf@prepare}
8383 \bidi@ensure@newcommand{\@emptwocolRTLfootnotetext}[1]{%

```



```

8384 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8385 \unvbox\@mpfootinsv@r
8386 \def\baselinestretch{\m@m@footnote@spacing}%
8387 \reset@font\RTLfoottextfont
8388 \hsize\columnwidth \@parboxrestore
8389 \protected@edef\@currentlabel{%
8390 \csname p@mpfootnote\endcsname\@thefnmark}%
8391 \color@begingroup
8392 \@twocolRTLfootfmt{#1}%
8393 \color@endgroup}%
8394 \m@mmf@prepare}
8395 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8396 \m@make@twocolfootnotetext{#1}%
8397 \m@make@mptwocolfootnotetext{#1}%
8398 \m@make@twocolfootfmt{#1}%
8399 \m@make@twocol@footgroup{#1}%
8400 \m@make@mptwocol@footgroup{#1}%
8401 \m@make@footstart{#1}%
8402 \bidi@namelongdef{\@footnotetext#1}##1{%
8403 \@nameuse{\@twocolfootnotetext#1}{##1}}%
8404 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8405 \@nameuse{\@mptwocolfootnotetext#1}{##1}}%
8406 \@namedef{\@footgroup#1}{\@nameuse{\@twocol@footgroup#1}}%
8407 \@namedef{\mp@footgroup#1}{\@nameuse{\@mptwocol@footgroup#1}}%
8408 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8409 \expandafter\count\csname footins#1\endcsname=500\relax}
8410 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8411 \bidi@namelongdef{\@twocolfootnotetext#1}##1{%
8412 \insert\@nameuse{footins#1}{%
8413 \def\baselinestretch{\m@m@footnote@spacing}%
8414 \reset@font\@nameuse{foottextfont#1}%
8415 \@preamfntext
8416 \protected@edef\@currentlabel{%
8417 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8418 \color@begingroup
8419 \@nameuse{\@twocolfootfmt#1}{##1}%
8420 \color@endgroup}%
8421 \m@mmf@prepare}}
8422 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8423 \bidi@namelongdef{\@mptwocolfootnotetext#1}##1{%
8424 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8425 \unvbox\@nameuse{\@mpfootins#1}
8426 \def\baselinestretch{\m@m@footnote@spacing}%
8427 \reset@font\@nameuse{foottextfont#1}%
8428 \hsize\columnwidth \@parboxrestore
8429 \protected@edef\@currentlabel{%
8430 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8431 \color@begingroup
8432 \@nameuse{\@twocolfootfmt#1}{##1}%
8433 \color@endgroup}\m@mmf@prepare}}

```



```

8434 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8435   \@namedef{@twocolfootfmt#1}##1{%
8436     \@preamtwofmt
8437     {\@nameuse{footfootmark#1}\strut
8438     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8439 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8440   \@namedef{@twocol@footgroup#1}{%
8441     \def\baselinestretch{\m@m@footnote@spacing}%
8442     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8443     \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8444 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8445   \@namedef{@mptwocol@footgroup#1}{%
8446     \def\baselinestretch{\m@m@footnote@spacing}%
8447     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8448     \m@mrigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
8449 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8450   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8451   \let\@footnotetext\@threecolfootnotetext
8452   \let\@LTRfootnotetext\@threecolLTRfootnotetext
8453   \let\@RTLfootnotetext\@threecolRTLfootnotetext
8454   \dimen\footinsv@r=3\footinsdim
8455   \count\footinsv@r=333\relax
8456   \m@make@threecol@footgroup{v@r}%
8457   \let\@footgroupv@r\@threecol@footgroupv@r
8458   \let\@mpfootnotetext\@mpthreecolfootnotetext
8459   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8460   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8461   \m@make@mpthreecol@footgroup{v@r}%
8462   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8463 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8464   \def\baselinestretch{\m@m@footnote@spacing}%
8465   \reset@font\foottextfont
8466   \@preamfntext
8467   \protected@edef\@currentlabel{%
8468     \csname p@footnote\endcsname\@thefnmark}%
8469   \color@begingroup
8470     \@threecolfootfmt{#1}%
8471     \color@endgroup}\m@mmf@prepare}
8472 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8473   \def\baselinestretch{\m@m@footnote@spacing}%
8474   \reset@font\LTRfoottextfont
8475   \@preamfntext
8476   \protected@edef\@currentlabel{%
8477     \csname p@footnote\endcsname\@thefnmark}%
8478   \color@begingroup
8479     \@threecolLTRfootfmt{#1}%
8480     \color@endgroup}\m@mmf@prepare}
8481 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8482   \def\baselinestretch{\m@m@footnote@spacing}%
8483   \reset@font\RTLfoottextfont

```





```

8484 \@preamfntext
8485 \protected@edef\@currentlabel{%
8486   \csname p@footnote\endcsname\@thefnmark}%
8487 \color@begingroup
8488   \@threecolRTLfootfmt{#1}%
8489 \color@endgroup}\m@mmf@prepare}
8490 \bidi@ensure@newcommand{\@preamthreelfmt}{%
8491   \hspace{.3\hspace}
8492   \parindent=\z@
8493   \tolerance=5000\relax
8494   \leavevmode}
8495 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8496   \@preamthreelfmt
8497   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8498 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8499   \@preamthreelfmt
8500   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8501 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8502   \@preamthreelfmt
8503   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8504 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8505   \global\setbox\@mpfootinsv\@rbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8506     \unvbox\@mpfootinsv@r
8507     \def\baselinestretch{\m@mm@footnote@spacing}%
8508     \reset@font\foottextfont
8509     \hspace\columnwidth \@parboxrestore
8510     \protected@edef\@currentlabel{%
8511       \csname p@mpfootnote\endcsname\@thefnmark}%
8512     \color@begingroup
8513       \@threecolfootfmt{#1}%
8514     \color@endgroup}\m@mmf@prepare}
8515 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8516   \global\setbox\@mpfootinsv\@rbox{\@RTLfalse%
8517     \unvbox\@mpfootinsv@r
8518     \def\baselinestretch{\m@mm@footnote@spacing}%
8519     \reset@font\LTRfoottextfont
8520     \hspace\columnwidth \@parboxrestore
8521     \if@RTLcolumnfootnotes\beginL\fi
8522     \protected@edef\@currentlabel{%
8523       \csname p@mpfootnote\endcsname\@thefnmark}%
8524     \color@begingroup
8525       \@threecolLTRfootfmt{#1}%
8526     \color@endgroup}\m@mmf@prepare}
8527 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8528   \global\setbox\@mpfootinsv\@rbox{\@RTLtrue%
8529     \unvbox\@mpfootinsv@r
8530     \def\baselinestretch{\m@mm@footnote@spacing}%
8531     \reset@font\RTLfoottextfont
8532     \hspace\columnwidth \@parboxrestore
8533     \protected@edef\@currentlabel{%

```



```

8534 \csname p@mpfootnote\endcsname\@thefnmark}%
8535 \color@begingroup
8536 \@threecolRTLfootfmt{#1}%
8537 \color@endgroup}\m@mmf@prepare}
8538 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8539 \m@make@threecolfootnotetext{#1}%
8540 \m@make@mpthreecolfootnotetext{#1}%
8541 \m@make@threecolfootfmt{#1}%
8542 \m@make@threecol@footgroup{#1}%
8543 \m@make@mpthreecol@footgroup{#1}%
8544 \m@make@footstart{#1}%
8545 \bidi@namelongdef{\footnotetext#1}##1{%
8546 \@nameuse{\threecolfootnotetext#1}{##1}}%
8547 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8548 \@nameuse{\mpthreecolfootnotetext#1}{##1}}%
8549 \@namedef{\@footgroup#1}{\@nameuse{\threecol@footgroup#1}}%
8550 \@namedef{\mp@footgroup#1}{\@nameuse{\mpthreecol@footgroup#1}}%
8551 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8552 \expandafter\count\csname footins#1\endcsname=333\relax}
8553 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8554 \bidi@namelongdef{\threecolfootnotetext#1}##1{%
8555 \insert\@nameuse{footins#1}{%
8556 \def\baselinestretch{\m@m@footnote@spacing}%
8557 \reset@font\@nameuse{foottextfont#1}%
8558 \preamfntext
8559 \protected@edef\@currentlabel{%
8560 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
8561 \color@begingroup
8562 \@nameuse{\threecolfootfmt#1}{##1}%
8563 \color@endgroup}\m@mmf@prepare}}
8564 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8565 \bidi@namelongdef{\mpthreecolfootnotetext#1}##1{%
8566 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8567 \unvbox\@nameuse{\mpfootins#1}
8568 \def\baselinestretch{\m@m@footnote@spacing}%
8569 \reset@font\@nameuse{foottextfont#1}%
8570 \hsize\columnwidth \@parboxrestore
8571 \protected@edef\@currentlabel{%
8572 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
8573 \color@begingroup
8574 \@nameuse{\threecolfootfmt#1}{##1}%
8575 \color@endgroup}\m@mmf@prepare}}
8576 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8577 \bidi@namelongdef{\threecolfootfmt#1}##1{%
8578 \preamthreefmt
8579 {\@nameuse{footfootmark#1}\strut
8580 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8581 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8582 \@namedef{\threecol@footgroup#1}{%
8583 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8584 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8585 \m@rigrigidbodybalance{\nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
8586 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8587 \namedef{\mpthreecol@footgroup#1}{%
8588 \def\baselinestretch{\m@footnote@spacing}%
8589 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8590 \m@rigrigidbodybalance{\nameuse{\mpfootins#1}}{\thr@@}{\splittopskip}}}}
8591 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8592 \namedef{\foottextfontv@r}{\foottextfont}% % [RS]
8593 \let\@footnotetext\@fourcolfootnotetext
8594 \let\LTRfootnotetext\@fourcolLTRfootnotetext
8595 \let\RTLfootnotetext\@fourcolRTLfootnotetext
8596 \dimen\footinsv@r=4\footinsdim
8597 \count\footinsv@r=250\relax
8598 \m@make@fourcol@footgroup{v@r}%
8599 \let\@footgroupv@r\@fourcol@footgroupv@r
8600 \let\@mpfootnotetext\@mpfourcolfootnotetext
8601 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8602 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8603 \m@make@mpfourcol@footgroup{v@r}%
8604 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8605 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\RTLtrue%
8606 \def\baselinestretch{\m@footnote@spacing}%
8607 \reset@font\foottextfont
8608 \preamfntext
8609 \protected@edef\@currentlabel{%
8610 \csname p@footnote\endcsname\@thefnmark}%
8611 \color@begingroup
8612 \@fourcolfootfmt{#1}%
8613 \color@endgroup}%
8614 \m@mmf@prepare}
8615 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
8616 \def\baselinestretch{\m@footnote@spacing}%
8617 \reset@font\LTRfoottextfont
8618 \preamfntext
8619 \protected@edef\@currentlabel{%
8620 \csname p@footnote\endcsname\@thefnmark}%
8621 \color@begingroup
8622 \@fourcolLTRfootfmt{#1}%
8623 \color@endgroup}%
8624 \m@mmf@prepare}
8625 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8626 \def\baselinestretch{\m@footnote@spacing}%
8627 \reset@font\RTLfoottextfont
8628 \preamfntext
8629 \protected@edef\@currentlabel{%
8630 \csname p@footnote\endcsname\@thefnmark}%
8631 \color@begingroup
8632 \@fourcolRTLfootfmt{#1}%
8633 \color@endgroup}%

```



```

8634 \m@mmf@prepare}
8635 \bidi@ensure@newcommand{\@preamfourfmt}{%
8636 \hsize .25\hsize
8637 \parindent=\z@
8638 \tolerance=5000\relax
8639 \leavevmode}
8640 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8641 \@preamfourfmt
8642 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8643 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8644 \@preamfourfmt
8645 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8646 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8647 \@preamfourfmt
8648 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8649 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8650 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8651 \unvbox\@mpfootinsv@r
8652 \def\baselinestretch{\m@m@footnote@spacing}%
8653 \reset@font\foottextfont
8654 \hsize\columnwidth \@parboxrestore
8655 \protected@edef\@currentlabel{%
8656 \csname p@mpfootnote\endcsname\@thefnmark}%
8657 \color@begingroup
8658 \@fourcolfootfmt{#1}%
8659 \color@endgroup}%
8660 \m@mmf@prepare}
8661 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8662 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8663 \unvbox\@mpfootinsv@r
8664 \def\baselinestretch{\m@m@footnote@spacing}%
8665 \reset@font\LTRfoottextfont
8666 \hsize\columnwidth \@parboxrestore
8667 \if@RTLcolumnfootnotes\beginL\fi
8668 \protected@edef\@currentlabel{%
8669 \csname p@mpfootnote\endcsname\@thefnmark}%
8670 \color@begingroup
8671 \@fourcolLTRfootfmt{#1}%
8672 \color@endgroup}%
8673 \m@mmf@prepare}
8674 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8675 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8676 \unvbox\@mpfootinsv@r
8677 \def\baselinestretch{\m@m@footnote@spacing}%
8678 \reset@font\RTLfoottextfont
8679 \hsize\columnwidth \@parboxrestore
8680 \protected@edef\@currentlabel{%
8681 \csname p@mpfootnote\endcsname\@thefnmark}%
8682 \color@begingroup
8683 \@fourcolRTLfootfmt{#1}%

```



```

8684 \color@endgroup}%
8685 \m@mmf@prepare}
8686 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8687 \m@make@fourcolfootnotetext{#1}%
8688 \m@make@mpfourcolfootnotetext{#1}%
8689 \m@make@fourcolfootfmt{#1}%
8690 \m@make@fourcol@footgroup{#1}%
8691 \m@make@mpfourcol@footgroup{#1}%
8692 \m@make@footstart{#1}%
8693 \bidi@namelongdef{@footnotetext#1}##1{%
8694 \@nameuse{@fourcolfootnotetext#1}{##1}}%
8695 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8696 \@nameuse{@mpfourcolfootnotetext#1}{##1}}%
8697 \@namedef{@footgroup#1}{\@nameuse{@fourcol@footgroup#1}}%
8698 \@namedef{mp@footgroup#1}{\@nameuse{@mpfourcol@footgroup#1}}%
8699 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8700 \expandafter\count\csname footins#1\endcsname=500\relax}
8701 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8702 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
8703 \insert\@nameuse{footins#1}{%
8704 \def\baselinestretch{\m@m@footnote@spacing}%
8705 \reset@font\@nameuse{foottextfont#1}%
8706 \@preamfntext
8707 \protected@edef\@currentlabel{%
8708 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8709 \color@begingroup
8710 \@nameuse{@fourcolfootfmt#1}{##1}%
8711 \color@endgroup}%
8712 \m@mmf@prepare}}
8713 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8714 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8715 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8716 \unvbox\@nameuse{@mpfootins#1}
8717 \def\baselinestretch{\m@m@footnote@spacing}%
8718 \reset@font\@nameuse{foottextfont#1}%
8719 \hsize\columnwidth \@parboxrestore
8720 \protected@edef\@currentlabel{%
8721 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8722 \color@begingroup
8723 \@nameuse{@fourcolfootfmt#1}{##1}%
8724 \color@endgroup}\m@mmf@prepare}}
8725 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8726 \@namedef{@fourcolfootfmt#1}##1{%
8727 \@preamfourfmt
8728 {\@nameuse{footfootmark#1}\strut
8729 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8730 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8731 \@namedef{@fourcol@footgroup#1}{%
8732 \def\baselinestretch{\m@m@footnote@spacing}%
8733 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

8734 \m@rigrigidbodybalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
8735 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8736 \@namedef{mpfourcol@footgroup#1}{%
8737 \def\baselinestretch{\m@m@footnote@spacing}%
8738 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8739 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
8740 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8741 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8742 \let\@footnotetext\@fivecolfootnotetext
8743 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8744 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8745 \dimen\footinsv@r=5\footinsdim
8746 \count\footinsv@r=200\relax
8747 \m@make@fivecol@footgroup{v@r}%
8748 \let\@footgroupv@r\@fivecol@footgroupv@r
8749 \let\@mpfootnotetext\@mpfivecolfootnotetext
8750 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8751 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8752 \m@make@mpfivecol@footgroup{v@r}%
8753 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
8754 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8755 \def\baselinestretch{\m@m@footnote@spacing}%
8756 \reset@font\foottextfont
8757 \@preamfntext
8758 \protected@edef\@currentlabel{%
8759 \csname p@footnote\endcsname\@thefnmark}%
8760 \color@begingroup
8761 \@fivecolfootfmt{#1}%
8762 \color@endgroup}%
8763 \m@mmf@prepare}
8764 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8765 \def\baselinestretch{\m@m@footnote@spacing}%
8766 \reset@font\LTRfoottextfont
8767 \@preamfntext
8768 \protected@edef\@currentlabel{%
8769 \csname p@footnote\endcsname\@thefnmark}%
8770 \color@begingroup
8771 \@fivecolLTRfootfmt{#1}%
8772 \color@endgroup}%
8773 \m@mmf@prepare}
8774 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8775 \def\baselinestretch{\m@m@footnote@spacing}%
8776 \reset@font\RTLfoottextfont
8777 \@preamfntext
8778 \protected@edef\@currentlabel{%
8779 \csname p@footnote\endcsname\@thefnmark}%
8780 \color@begingroup
8781 \@fivecolRTLfootfmt{#1}%
8782 \color@endgroup}%
8783 \m@mmf@prepare}

```



```

8784 \bidi@ensure@newcommand{\@preamfivefmt}{%
8785   \hsize .2\hsize
8786   \parindent=\z@
8787   \tolerance=5000\relax
8788   \leavevmode}
8789 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8790   \@preamfivefmt
8791   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8792 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8793   \@preamfivefmt
8794   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8795 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8796   \@preamfivefmt
8797   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8798 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8799   \global\setbox\@mpfootinsv\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8800     \unvbox\@mpfootinsv@r
8801     \def\baselinestretch{\m@m@footnote@spacing}%
8802     \reset@font\foottextfont
8803     \hsize\columnwidth \@parboxrestore
8804     \protected@edef\@currentlabel{%
8805       \csname p@mpfootnote\endcsname\@thefnmark}%
8806     \color@begingroup
8807       \@fivecolfootfmt{#1}%
8808     \color@endgroup}%
8809   \m@mmf@prepare}
8810 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8811   \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
8812     \unvbox\@mpfootinsv@r
8813     \def\baselinestretch{\m@m@footnote@spacing}%
8814     \reset@font\LTRfoottextfont
8815     \hsize\columnwidth \@parboxrestore
8816     \if@RTLcolumnfootnotes\beginL\fi
8817     \protected@edef\@currentlabel{%
8818       \csname p@mpfootnote\endcsname\@thefnmark}%
8819     \color@begingroup
8820       \@fivecolLTRfootfmt{#1}%
8821     \color@endgroup}%
8822   \m@mmf@prepare}
8823 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8824   \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
8825     \unvbox\@mpfootinsv@r
8826     \def\baselinestretch{\m@m@footnote@spacing}%
8827     \reset@font\RTLfoottextfont
8828     \hsize\columnwidth \@parboxrestore
8829     \protected@edef\@currentlabel{%
8830       \csname p@mpfootnote\endcsname\@thefnmark}%
8831     \color@begingroup
8832       \@fivecolRTLfootfmt{#1}%
8833     \color@endgroup}%

```



```

8834 \m@mmf@prepare}
8835 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8836 \m@make@fivecolfootnotetext{#1}%
8837 \m@make@mpfivecolfootnotetext{#1}%
8838 \m@make@fivecolfootfmt{#1}%
8839 \m@make@fivecol@footgroup{#1}%
8840 \m@make@mpfivecol@footgroup{#1}%
8841 \m@make@footstart{#1}%
8842 \bidi@namelongdef{@footnotetext#1}##1{%
8843 \@nameuse{@fivecolfootnotetext#1}{##1}}%
8844 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8845 \@nameuse{@mpfivecolfootnotetext#1}{##1}}%
8846 \@namedef{@footgroup#1}{\@nameuse{@fivecol@footgroup#1}}%
8847 \@namedef{mp@footgroup#1}{\@nameuse{@mpfivecol@footgroup#1}}%
8848 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8849 \expandafter\count\csname footins#1\endcsname=500\relax}
8850 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8851 \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
8852 \insert\@nameuse{footins#1}{%
8853 \def\baselinestretch{\m@m@footnote@spacing}%
8854 \reset@font\@nameuse{foottextfont#1}%
8855 \@preamfntext
8856 \protected@edef\@currentlabel{%
8857 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8858 \color@begingroup
8859 \@nameuse{@fivecolfootfmt#1}{##1}%
8860 \color@endgroup}%
8861 \m@mmf@prepare}}
8862 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8863 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8864 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8865 \unvbox\@nameuse{@mpfootins#1}
8866 \def\baselinestretch{\m@m@footnote@spacing}%
8867 \reset@font\@nameuse{foottextfont#1}%
8868 \hsize\columnwidth \@parboxrestore
8869 \protected@edef\@currentlabel{%
8870 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8871 \color@begingroup
8872 \@nameuse{@fivecolfootfmt#1}{##1}%
8873 \color@endgroup}\m@mmf@prepare}}
8874 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8875 \@namedef{@fivecolfootfmt#1}##1{%
8876 \@preamfivefmt
8877 {\@nameuse{footfootmark#1}\strut
8878 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8879 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8880 \@namedef{@fivecol@footgroup#1}{%
8881 \def\baselinestretch{\m@m@footnote@spacing}%
8882 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8883 \m@mrigidbalance{\@nameuse{footins#1}{5}{\splittopskip}}}}

```





```

8884 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8885 \@namedef{@mpfivecol@footgroup#1}{%
8886 \def\baselinestretch{\m@m@footnote@spacing}%
8887 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8888 \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
8889 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8890 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8891 \let\@footnotetext\@sixcolfootnotetext
8892 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8893 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8894 \dimen\footinsv@r=6\footinsdim
8895 \count\footinsv@r=166\relax
8896 \m@make@sixcol@footgroup{v@r}%
8897 \let\@footgroupv@r\@sixcol@footgroupv@r
8898 \let\@mpfootnotetext\@mpsixcolfootnotetext
8899 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8900 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8901 \m@make@mpsixcol@footgroup{v@r}%
8902 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
8903 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8904 \def\baselinestretch{\m@m@footnote@spacing}%
8905 \reset@font\foottextfont
8906 \@preamfntext
8907 \protected@edef\@currentlabel{%
8908 \csname p@footnote\endcsname\@thefnmark}%
8909 \color@begingroup
8910 \@sixcolfootfmt{#1}%
8911 \color@endgroup}%
8912 \m@mmf@prepare}
8913 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8914 \def\baselinestretch{\m@m@footnote@spacing}%
8915 \reset@font\LTRfoottextfont
8916 \@preamfntext
8917 \protected@edef\@currentlabel{%
8918 \csname p@footnote\endcsname\@thefnmark}%
8919 \color@begingroup
8920 \@sixcolLTRfootfmt{#1}%
8921 \color@endgroup}%
8922 \m@mmf@prepare}
8923 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8924 \def\baselinestretch{\m@m@footnote@spacing}%
8925 \reset@font\RTLfoottextfont
8926 \@preamfntext
8927 \protected@edef\@currentlabel{%
8928 \csname p@footnote\endcsname\@thefnmark}%
8929 \color@begingroup
8930 \@sixcolRTLfootfmt{#1}%
8931 \color@endgroup}%
8932 \m@mmf@prepare}
8933 \bidi@ensure@newcommand{\@preamsixfmt}{%

```



```

8934 \hsize .16\hsize
8935 \parindent=\z@
8936 \tolerance=5000\relax
8937 \leavevmode}
8938 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8939 \@preamsixfmt
8940 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8941 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8942 \@preamsixfmt
8943 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8944 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8945 \@preamsixfmt
8946 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8947 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
8948 \global\setbox\@mpfootinsv\@r\@vbox{%
8949 \unvbox\@mpfootinsv\@r
8950 \def\baselinestretch{\m@m@footnote@spacing}%
8951 \reset@font\foottextfont
8952 \hsize\columnwidth \@parboxrestore
8953 \protected@edef\@currentlabel{%
8954 \csname p@mpfootnote\endcsname\@thefnmark}%
8955 \color@begingroup
8956 \@sixcolfootfmt{#1}%
8957 \color@endgroup}%
8958 \m@m@mmf@prepare}
8959 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8960 \global\setbox\@mpfootinsv\@r\@vbox{%
8961 \unvbox\@mpfootinsv\@r
8962 \def\baselinestretch{\m@m@footnote@spacing}%
8963 \reset@font\LTRfoottextfont
8964 \hsize\columnwidth \@parboxrestore
8965 \if@RTLcolumnfootnotes\beginL\fi
8966 \protected@edef\@currentlabel{%
8967 \csname p@mpfootnote\endcsname\@thefnmark}%
8968 \color@begingroup
8969 \@sixcolLTRfootfmt{#1}%
8970 \color@endgroup}%
8971 \m@m@mmf@prepare}
8972 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8973 \global\setbox\@mpfootinsv\@r\@vbox{%
8974 \unvbox\@mpfootinsv\@r
8975 \def\baselinestretch{\m@m@footnote@spacing}%
8976 \reset@font\RTLfoottextfont
8977 \hsize\columnwidth \@parboxrestore
8978 \protected@edef\@currentlabel{%
8979 \csname p@mpfootnote\endcsname\@thefnmark}%
8980 \color@begingroup
8981 \@sixcolRTLfootfmt{#1}%
8982 \color@endgroup}%
8983 \m@m@mmf@prepare}

```



```

8984 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8985   \m@make@sixcolfootnotetext{#1}%
8986   \m@make@mpsixcolfootnotetext{#1}%
8987   \m@make@sixcolfootfmt{#1}%
8988   \m@make@sixcol@footgroup{#1}%
8989   \m@make@mpsixcol@footgroup{#1}%
8990   \m@make@footstart{#1}%
8991   \bidi@namelongdef{\footnotetext#1}##1{%
8992     \@nameuse{\@sixcolfootnotetext#1}{##1}}%
8993   \bidi@namelongdef{\mpfootnotetext#1}##1{%
8994     \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
8995   \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
8996   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsixcol@footgroup#1}}%
8997   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8998   \expandafter\count\csname footins#1\endcsname=500\relax}
8999 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9000   \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
9001     \insert\@nameuse{footins#1}{%
9002       \def\baselinestretch{\m@make@footnote@spacing}%
9003       \reset@font\@nameuse{foottextfont#1}%
9004       \@preamfntext
9005       \protected@edef\@currentlabel{%
9006         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9007       \color@begingroup
9008         \@nameuse{\@sixcolfootfmt#1}{##1}%
9009       \color@endgroup}%
9010     \m@mmf@prepare}}
9011 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9012   \bidi@namelongdef{\@mpsixcolfootnotetext#1}##1{%
9013     \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9014       \unvbox\@nameuse{\mpfootins#1}
9015       \def\baselinestretch{\m@make@footnote@spacing}%
9016       \reset@font\@nameuse{foottextfont#1}%
9017       \hsize\columnwidth \@parboxrestore
9018       \protected@edef\@currentlabel{%
9019         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9020       \color@begingroup
9021         \@nameuse{\@sixcolfootfmt#1}{##1}%
9022       \color@endgroup}\m@mmf@prepare}}
9023 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9024   \@namedef{\@sixcolfootfmt#1}##1{%
9025     \@preamsixfmt
9026     {\@nameuse{footfootmark#1}\strut
9027      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9028 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9029   \@namedef{\@sixcol@footgroup#1}{%
9030     \def\baselinestretch{\m@make@footnote@spacing}%
9031     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9032     \m@rmrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9033 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%

```



```

9034 \@namedef{@mpsixcol@footgroup#1}{%
9035 \def\baselinestretch{\m@m@footnote@spacing}%
9036 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9037 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}
9038 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9039 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9040 \let\@footnotetext\@sevendcolfootnotetext
9041 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9042 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9043 \dimen\footinsv@r=7\footinsdim
9044 \count\footinsv@r=142\relax
9045 \m@make@sevendcol@footgroup{v@r}%
9046 \let\@footgroupv@r\@sevendcol@footgroupv@r
9047 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9048 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9049 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9050 \m@make@mpsevendcol@footgroup{v@r}%
9051 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
9052 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9053 \def\baselinestretch{\m@m@footnote@spacing}%
9054 \reset@font\foottextfont
9055 \@preamfntext
9056 \protected@edef\@currentlabel{%
9057 \csname p@footnote\endcsname\@thefnmark}%
9058 \color@begingroup
9059 \@sevendcolfootfmt{#1}%
9060 \color@endgroup}%
9061 \m@mmf@prepare}
9062 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9063 \def\baselinestretch{\m@m@footnote@spacing}%
9064 \reset@font\LTRfoottextfont
9065 \@preamfntext
9066 \protected@edef\@currentlabel{%
9067 \csname p@footnote\endcsname\@thefnmark}%
9068 \color@begingroup
9069 \@sevendcolLTRfootfmt{#1}%
9070 \color@endgroup}%
9071 \m@mmf@prepare}
9072 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9073 \def\baselinestretch{\m@m@footnote@spacing}%
9074 \reset@font\RTLfoottextfont
9075 \@preamfntext
9076 \protected@edef\@currentlabel{%
9077 \csname p@footnote\endcsname\@thefnmark}%
9078 \color@begingroup
9079 \@sevendcolRTLfootfmt{#1}%
9080 \color@endgroup}%
9081 \m@mmf@prepare}
9082 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9083 \hspace{.142\hspace}

```



```

g084 \parindent=\z@
g085 \tolerance=5000\relax
g086 \leavevmode}
g087 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
g088 \@preamsevenfmt
g089 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
g090 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
g091 \@preamsevenfmt
g092 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
g093 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
g094 \@preamsevenfmt
g095 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
g096 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
g097 \global\setbox\@mpfootinsv@r\vbox{%
g098 \unvbox\@mpfootinsv@r
g099 \def\baselinestretch{\m@m@footnote@spacing}%
g100 \reset@font\foottextfont
g101 \hsize\columnwidth \@parboxrestore
g102 \protected@edef\@currentlabel{%
g103 \csname p@mpfootnote\endcsname\@thefnmark}%
g104 \color@begingroup
g105 \@sevenscolfootfmt{#1}%
g106 \color@endgroup}%
g107 \m@mmf@prepare}
g108 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
g109 \global\setbox\@mpfootinsv@r\vbox{%
g110 \unvbox\@mpfootinsv@r
g111 \def\baselinestretch{\m@m@footnote@spacing}%
g112 \reset@font\LTRfoottextfont
g113 \hsize\columnwidth \@parboxrestore
g114 \if@RTLcolumnfootnotes\beginL\fi
g115 \protected@edef\@currentlabel{%
g116 \csname p@mpfootnote\endcsname\@thefnmark}%
g117 \color@begingroup
g118 \@sevenscolLTRfootfmt{#1}%
g119 \color@endgroup}%
g120 \m@mmf@prepare}
g121 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
g122 \global\setbox\@mpfootinsv@r\vbox{%
g123 \unvbox\@mpfootinsv@r
g124 \def\baselinestretch{\m@m@footnote@spacing}%
g125 \reset@font\RTLfoottextfont
g126 \hsize\columnwidth \@parboxrestore
g127 \protected@edef\@currentlabel{%
g128 \csname p@mpfootnote\endcsname\@thefnmark}%
g129 \color@begingroup
g130 \@sevenscolRTLfootfmt{#1}%
g131 \color@endgroup}%
g132 \m@mmf@prepare}
g133 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%

```



```

9134 \m@make@sevenscolfootnotetext{#1}%
9135 \m@make@mpsevenscolfootnotetext{#1}%
9136 \m@make@sevenscolfootfmt{#1}%
9137 \m@make@sevenscol@footgroup{#1}%
9138 \m@make@mpsevenscol@footgroup{#1}%
9139 \m@make@footstart{#1}%
9140 \bidi@namelongdef{@footnotetext#1}##1{%
9141     \@nameuse{@sevenscolfootnotetext#1}{##1}}%
9142 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9143     \@nameuse{@mpsevenscolfootnotetext#1}{##1}}%
9144 \@namedef{@footgroup#1}{\@nameuse{@sevenscol@footgroup#1}}%
9145 \@namedef{mp@footgroup#1}{\@nameuse{@mpsevenscol@footgroup#1}}%
9146 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9147 \expandafter\count\csname footins#1\endcsname=500\relax
9148 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9149     \bidi@namelongdef{@sevenscolfootnotetext#1}##1{%
9150         \insert\@nameuse{footins#1}{%
9151             \def\baselinestretch{\m@m@footnote@spacing}%
9152             \reset@font\@nameuse{foottextfont#1}%
9153             \@preamfntext
9154             \protected@edef\@currentlabel{%
9155                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9156             \color@begingroup
9157                 \@nameuse{@sevenscolfootfmt#1}{##1}%
9158             \color@endgroup}%
9159             \m@mmf@prepare}}
9160 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9161     \bidi@namelongdef{@mpsevenscolfootnotetext#1}##1{%
9162         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9163             \unvbox\@nameuse{@mpfootins#1}
9164             \def\baselinestretch{\m@m@footnote@spacing}%
9165             \reset@font\@nameuse{foottextfont#1}%
9166             \hsize\columnwidth \@parboxrestore
9167             \protected@edef\@currentlabel{%
9168                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9169             \color@begingroup
9170                 \@nameuse{@sevenscolfootfmt#1}{##1}%
9171             \color@endgroup}\m@mmf@prepare}}
9172 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
9173     \@namedef{@sevenscolfootfmt#1}##1{%
9174         \@preamsevenfmt
9175         {\@nameuse{footfootmark#1}\strut
9176         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9177 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
9178     \@namedef{@sevenscol@footgroup#1}{%
9179         \def\baselinestretch{\m@m@footnote@spacing}%
9180         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9181         \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
9182 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
9183     \@namedef{@mpsevenscol@footgroup#1}{%

```



```

g184 \def\baselinestretch{\m@m@footnote@spacing}%
g185 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g186 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
g187 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
g188 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
g189 \let\@footnotetext\@eightcolfootnotetext
g190 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
g191 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
g192 \dimen\footinsv@r=8\footinsdim
g193 \count\footinsv@r=125\relax
g194 \m@make@eightcol@footgroup{v@r}%
g195 \let\@footgroupv@r\@eightcol@footgroupv@r
g196 \let\@mpfootnotetext\@mpeightcolfootnotetext
g197 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
g198 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
g199 \m@make@mpeightcol@footgroup{v@r}%
g200 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
g201 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
g202 \def\baselinestretch{\m@m@footnote@spacing}%
g203 \reset@font\foottextfont
g204 \@preamfntext
g205 \protected@edef\@currentlabel{%
g206 \csname p@footnote\endcsname\@thefnmark}%
g207 \color@begingroup
g208 \@eightcolfootfmt{#1}%
g209 \color@endgroup}%
g210 \m@mmf@prepare}
g211 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
g212 \def\baselinestretch{\m@m@footnote@spacing}%
g213 \reset@font\LTRfoottextfont
g214 \@preamfntext
g215 \protected@edef\@currentlabel{%
g216 \csname p@footnote\endcsname\@thefnmark}%
g217 \color@begingroup
g218 \@eightcolLTRfootfmt{#1}%
g219 \color@endgroup}%
g220 \m@mmf@prepare}
g221 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
g222 \def\baselinestretch{\m@m@footnote@spacing}%
g223 \reset@font\RTLfoottextfont
g224 \@preamfntext
g225 \protected@edef\@currentlabel{%
g226 \csname p@footnote\endcsname\@thefnmark}%
g227 \color@begingroup
g228 \@eightcolRTLfootfmt{#1}%
g229 \color@endgroup}%
g230 \m@mmf@prepare}
g231 \bidi@ensure@newcommand{\@preameightfmt}{%
g232 \hspace{.125\hspace}
g233 \parindent=\z@

```



```

9234 \tolerance=5000\relax
9235 \leavevmode}
9236 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9237 \preameightfmt
9238 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9239 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9240 \preameightfmt
9241 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9242 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9243 \preameightfmt
9244 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9245 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9246 \global\setbox\@mpfootinsv\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9247 \unvbox\@mpfootinsv\@r
9248 \def\baselinestretch{\m@m@footnote@spacing}%
9249 \reset@font\foottextfont
9250 \hsize\columnwidth \@parboxrestore
9251 \protected@edef\@currentlabel{%
9252 \csname p@mpfootnote\endcsname\@thefnmark}%
9253 \color@begingroup
9254 \@eightcolfootfmt{#1}%
9255 \color@endgroup}%
9256 \m@m@mmf@prepare}
9257 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9258 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLfalse%
9259 \unvbox\@mpfootinsv\@r
9260 \def\baselinestretch{\m@m@footnote@spacing}%
9261 \reset@font\LTRfoottextfont
9262 \hsize\columnwidth \@parboxrestore
9263 \if@RTLcolumnfootnotes\beginL\fi
9264 \protected@edef\@currentlabel{%
9265 \csname p@mpfootnote\endcsname\@thefnmark}%
9266 \color@begingroup
9267 \@eightcolLTRfootfmt{#1}%
9268 \color@endgroup}%
9269 \m@m@mmf@prepare}
9270 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9271 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
9272 \unvbox\@mpfootinsv\@r
9273 \def\baselinestretch{\m@m@footnote@spacing}%
9274 \reset@font\RTLfoottextfont
9275 \hsize\columnwidth \@parboxrestore
9276 \protected@edef\@currentlabel{%
9277 \csname p@mpfootnote\endcsname\@thefnmark}%
9278 \color@begingroup
9279 \@eightcolRTLfootfmt{#1}%
9280 \color@endgroup}%
9281 \m@m@mmf@prepare}
9282 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9283 \m@make@eightcolfootnotetext{#1}%

```





```

9284 \m@make@mpeightcolfootnotetext{#1}%
9285 \m@make@eightcolfootfmt{#1}%
9286 \m@make@eightcol@footgroup{#1}%
9287 \m@make@mpeightcol@footgroup{#1}%
9288 \m@make@footstart{#1}%
9289 \bidi@namelongdef{@footnotetext#1}##1{%
9290     \@nameuse{@eightcolfootnotetext#1}{##1}}%
9291 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9292     \@nameuse{@mpeightcolfootnotetext#1}{##1}}%
9293 \@namedef{@footgroup#1}{\@nameuse{@eightcol@footgroup#1}}%
9294 \@namedef{@mp@footgroup#1}{\@nameuse{@mpeightcol@footgroup#1}}%
9295 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9296 \expandafter\count\csname footins#1\endcsname=500\relax}
9297 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9298     \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
9299         \insert\@nameuse{footins#1}{%
9300             \def\baselinestretch{\m@m@footnote@spacing}%
9301             \reset@font\@nameuse{foottextfont#1}%
9302             \@preamfntext
9303             \protected@edef\@currentlabel{%
9304                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9305             \color@begingroup
9306                 \@nameuse{@eightcolfootfmt#1}{##1}%
9307             \color@endgroup}%
9308             \m@m@m@prepare}}
9309 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9310     \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
9311         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9312             \unvbox\@nameuse{@mpfootins#1}
9313             \def\baselinestretch{\m@m@footnote@spacing}%
9314             \reset@font\@nameuse{foottextfont#1}%
9315             \hsize\columnwidth \@parboxrestore
9316             \protected@edef\@currentlabel{%
9317                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9318             \color@begingroup
9319                 \@nameuse{@eightcolfootfmt#1}{##1}%
9320             \color@endgroup}\m@m@m@prepare}}
9321 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9322     \@namedef{@eightcolfootfmt#1}##1{%
9323         \@preameightfmt
9324         {\@nameuse{footfootmark#1}\strut
9325         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9326 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9327     \@namedef{@eightcol@footgroup#1}{%
9328         \def\baselinestretch{\m@m@footnote@spacing}%
9329         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9330         \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9331 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9332     \@namedef{@mpeightcol@footgroup#1}{%
9333         \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9334 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9335 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9336 \bidi@ensure@newcommand{\@ninecolumnfootnotes}{%
9337 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9338 \let\@footnotetext\@ninecolfootnotetext
9339 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9340 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9341 \dimen\footinsv@r=9\footinsdim
9342 \count\footinsv@r=111\relax
9343 \m@make@ninecol@footgroup{v@r}%
9344 \let\@footgroupv@r\@ninecol@footgroupv@r
9345 \let\@mpfootnotetext\@mpninecolfootnotetext
9346 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9347 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9348 \m@make@mpninecol@footgroup{v@r}%
9349 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
9350 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9351 \def\baselinestretch{\m@m@footnote@spacing}%
9352 \reset@font\foottextfont
9353 \@preamfntext
9354 \protected@edef\@currentlabel{%
9355 \csname p@footnote\endcsname\@thefnmark}%
9356 \color@begingroup
9357 \@ninecolfootfmt{#1}%
9358 \color@endgroup}%
9359 \m@mmf@prepare}
9360 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9361 \def\baselinestretch{\m@m@footnote@spacing}%
9362 \reset@font\LTRfoottextfont
9363 \@preamfntext
9364 \protected@edef\@currentlabel{%
9365 \csname p@footnote\endcsname\@thefnmark}%
9366 \color@begingroup
9367 \@ninecolLTRfootfmt{#1}%
9368 \color@endgroup}%
9369 \m@mmf@prepare}
9370 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9371 \def\baselinestretch{\m@m@footnote@spacing}%
9372 \reset@font\RTLfoottextfont
9373 \@preamfntext
9374 \protected@edef\@currentlabel{%
9375 \csname p@footnote\endcsname\@thefnmark}%
9376 \color@begingroup
9377 \@ninecolRTLfootfmt{#1}%
9378 \color@endgroup}%
9379 \m@mmf@prepare}
9380 \bidi@ensure@newcommand{\@preamninefmt}{%
9381 \hspace{.1\hspace}
9382 \parindent=\z@
9383 \tolerance=5000\relax

```



```

9384 \leavevmode}
9385 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9386 \@preamninefmt
9387 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9388 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9389 \@preamninefmt
9390 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9391 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9392 \@preamninefmt
9393 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9394 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9395 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9396 \unvbox\@mpfootinsv@r
9397 \def\baselinestretch{\m@m@footnote@spacing}%
9398 \reset@font\foottextfont
9399 \hsize\columnwidth \@parboxrestore
9400 \protected@edef\@currentlabel{%
9401 \csname p@mpfootnote\endcsname\@thefnmark}%
9402 \color@begingroup
9403 \@ninecolfootfmt{#1}%
9404 \color@endgroup}%
9405 \m@mmf@prepare}
9406 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9407 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9408 \unvbox\@mpfootinsv@r
9409 \def\baselinestretch{\m@m@footnote@spacing}%
9410 \reset@font\LTRfoottextfont
9411 \hsize\columnwidth \@parboxrestore
9412 \if@RTLcolumnfootnotes\beginL\fi
9413 \protected@edef\@currentlabel{%
9414 \csname p@mpfootnote\endcsname\@thefnmark}%
9415 \color@begingroup
9416 \@ninecolLTRfootfmt{#1}%
9417 \color@endgroup}%
9418 \m@mmf@prepare}
9419 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9420 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9421 \unvbox\@mpfootinsv@r
9422 \def\baselinestretch{\m@m@footnote@spacing}%
9423 \reset@font\RTLfoottextfont
9424 \hsize\columnwidth \@parboxrestore
9425 \protected@edef\@currentlabel{%
9426 \csname p@mpfootnote\endcsname\@thefnmark}%
9427 \color@begingroup
9428 \@ninecolRTLfootfmt{#1}%
9429 \color@endgroup}%
9430 \m@mmf@prepare}
9431 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9432 \m@make@ninecolfootnotetext{#1}%
9433 \m@make@mpninecolfootnotetext{#1}%

```



```

9434 \m@make@ninecolfootfmt{#1}%
9435 \m@make@ninecol@footgroup{#1}%
9436 \m@make@mpninecol@footgroup{#1}%
9437 \m@make@footstart{#1}%
9438 \bidi@namelongdef{@footnotetext#1}##1{%
9439     \@nameuse{@ninecolfootnotetext#1}{##1}}%
9440 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9441     \@nameuse{@mpninecolfootnotetext#1}{##1}}%
9442 \@namedef{@footgroup#1}{\@nameuse{@ninecol@footgroup#1}}%
9443 \@namedef{@mp@footgroup#1}{\@nameuse{@mpninecol@footgroup#1}}%
9444 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9445 \expandafter\count\csname footins#1\endcsname=500\relax}
9446 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9447     \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
9448         \insert\@nameuse{footins#1}{%
9449             \def\baselinestretch{\m@m@footnote@spacing}%
9450             \reset@font\@nameuse{foottextfont#1}%
9451             \@preamfntext
9452             \protected@edef\@currentlabel{%
9453                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9454             \color@begingroup
9455                 \@nameuse{@ninecolfootfmt#1}{##1}%
9456             \color@endgroup}%
9457             \m@m@mmf@prepare}}
9458 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9459     \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
9460         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9461             \unvbox\@nameuse{@mpfootins#1}
9462             \def\baselinestretch{\m@m@footnote@spacing}%
9463             \reset@font\@nameuse{foottextfont#1}%
9464             \hsize\columnwidth \@parboxrestore
9465             \protected@edef\@currentlabel{%
9466                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9467             \color@begingroup
9468                 \@nameuse{@ninecolfootfmt#1}{##1}%
9469             \color@endgroup}\m@m@mmf@prepare}}
9470 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
9471     \@namedef{@ninecolfootfmt#1}##1{%
9472         \@preamninefmt
9473         {\@nameuse{footfootmark#1}\strut
9474         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9475 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9476     \@namedef{@ninecol@footgroup#1}{%
9477         \def\baselinestretch{\m@m@footnote@spacing}%
9478         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9479         \m@m@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
9480 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9481     \@namedef{@mpninecol@footgroup#1}{%
9482         \def\baselinestretch{\m@m@footnote@spacing}%
9483         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

9484 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{9}{\splittopskip}}
9485 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9486 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9487 \let\@footnotetext\@tencolfootnotetext
9488 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9489 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9490 \dimen\footinsv@r=10\footinsdim
9491 \count\footinsv@r=100\relax
9492 \m@make@tencol@footgroup{v@r}%
9493 \let\@footgroupv@r\@tencol@footgroupv@r
9494 \let\@mpfootnotetext\@mptencolfootnotetext
9495 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9496 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9497 \m@make@mptencol@footgroup{v@r}%
9498 \let\mp@footgroupv@r\@mptencol@footgroupv@r
9499 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9500 \def\baselinestretch{\m@m@footnote@spacing}%
9501 \reset@font\foottextfont
9502 \@preamfntext
9503 \protected@edef\@currentlabel{%
9504 \csname p@footnote\endcsname\@thefnmark}%
9505 \color@begingroup
9506 \@tencolfootfmt{#1}%
9507 \color@endgroup}%
9508 \m@mmf@prepare}
9509 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9510 \def\baselinestretch{\m@m@footnote@spacing}%
9511 \reset@font\LTRfoottextfont
9512 \@preamfntext
9513 \protected@edef\@currentlabel{%
9514 \csname p@footnote\endcsname\@thefnmark}%
9515 \color@begingroup
9516 \@tencolLTRfootfmt{#1}%
9517 \color@endgroup}%
9518 \m@mmf@prepare}
9519 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9520 \def\baselinestretch{\m@m@footnote@spacing}%
9521 \reset@font\RTLfoottextfont
9522 \@preamfntext
9523 \protected@edef\@currentlabel{%
9524 \csname p@footnote\endcsname\@thefnmark}%
9525 \color@begingroup
9526 \@tencolRTLfootfmt{#1}%
9527 \color@endgroup}%
9528 \m@mmf@prepare}
9529 \bidi@ensure@newcommand{\@preamtenfmt}{%
9530 \hsize .1\hsize
9531 \parindent=\z@
9532 \tolerance=5000\relax
9533 \leavevmode}

```



```

9534 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9535   \@preamtenfmt
9536   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9537 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9538   \@preamtenfmt
9539   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9540 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9541   \@preamtenfmt
9542   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9543 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9544   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9545     \unvbox\@mpfootinsv@r
9546     \def\baselinestretch{\m@m@footnote@spacing}%
9547     \reset@font\foottextfont
9548     \hsize\columnwidth \@parboxrestore
9549     \protected@edef\@currentlabel{%
9550       \csname p@mpfootnote\endcsname\@thefnmark}%
9551     \color@begingroup
9552     \@tencolfootfmt{#1}%
9553     \color@endgroup}%
9554   \m@mmf@prepare}
9555 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9556   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9557     \unvbox\@mpfootinsv@r
9558     \def\baselinestretch{\m@m@footnote@spacing}%
9559     \reset@font\LTRfoottextfont
9560     \hsize\columnwidth \@parboxrestore
9561     \if@RTLcolumnfootnotes\beginL\fi
9562     \protected@edef\@currentlabel{%
9563       \csname p@mpfootnote\endcsname\@thefnmark}%
9564     \color@begingroup
9565     \@tencolLTRfootfmt{#1}%
9566     \color@endgroup}%
9567   \m@mmf@prepare}
9568 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9569   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9570     \unvbox\@mpfootinsv@r
9571     \def\baselinestretch{\m@m@footnote@spacing}%
9572     \reset@font\RTLfoottextfont
9573     \hsize\columnwidth \@parboxrestore
9574     \protected@edef\@currentlabel{%
9575       \csname p@mpfootnote\endcsname\@thefnmark}%
9576     \color@begingroup
9577     \@tencolRTLfootfmt{#1}%
9578     \color@endgroup}%
9579   \m@mmf@prepare}
9580 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9581   \m@make@tencolfootnotetext{#1}%
9582   \m@make@mptencolfootnotetext{#1}%
9583   \m@make@tencolfootfmt{#1}%

```



```

9584 \m@make@tencol@footgroup{#1}%
9585 \m@make@mptencol@footgroup{#1}%
9586 \m@make@footstart{#1}%
9587 \bidi@namelongdef{@footnotetext#1}##1{%
9588     \@nameuse{@tencolfootnotetext#1}{##1}}%
9589 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9590     \@nameuse{@mptencolfootnotetext#1}{##1}}%
9591 \@namedef{@footgroup#1}{\@nameuse{@tencol@footgroup#1}}%
9592 \@namedef{mp@footgroup#1}{\@nameuse{@mptencol@footgroup#1}}%
9593 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9594 \expandafter\count\csname footins#1\endcsname=500\relax}
9595 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9596     \bidi@namelongdef{@tencolfootnotetext#1}##1{%
9597         \insert\@nameuse{footins#1}{%
9598             \def\baselinestretch{\m@m@footnote@spacing}%
9599             \reset@font\@nameuse{foottextfont#1}%
9600             \@preamfntext
9601             \protected@edef\@currentlabel{%
9602                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9603             \color@begingroup
9604                 \@nameuse{@tencolfootfmt#1}{##1}%
9605             \color@endgroup}%
9606             \m@m@mmf@prepare}}
9607 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9608     \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
9609         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9610             \unvbox\@nameuse{@mpfootins#1}
9611             \def\baselinestretch{\m@m@footnote@spacing}%
9612             \reset@font\@nameuse{foottextfont#1}%
9613             \hsize\columnwidth \@parboxrestore
9614             \protected@edef\@currentlabel{%
9615                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9616             \color@begingroup
9617                 \@nameuse{@tencolfootfmt#1}{##1}%
9618             \color@endgroup}\m@m@mmf@prepare}}
9619 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9620     \@namedef{@tencolfootfmt#1}##1{%
9621         \@preamtenfmt
9622         {\@nameuse{footfootmark#1}\strut
9623         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9624 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9625     \@namedef{@tencol@footgroup#1}{%
9626         \def\baselinestretch{\m@m@footnote@spacing}%
9627         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9628         \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9629 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9630     \@namedef{@mptencol@footgroup#1}{%
9631         \def\baselinestretch{\m@m@footnote@spacing}%
9632         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9633         \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}

```



```

9634 \bidi@ensure@newcommand{\m@munvxh}[1]{%
9635   \setbox0=\vbox{\unvbox#1%
9636     \global\setbox1=\lastbox}%
9637   \unhbox1
9638   \unskip
9639   \unskip
9640   \unpenalty
9641   \hskip\m@mipn@skip}
9642 \bidi@ensure@newcommand{\m@mungebox}{%
9643   \setbox0=\hbox{\m@munvxh0}%
9644   \dp0=\z@
9645   \ht0=\footfudgefactor\wd0
9646   \box0
9647   \penalty0}
9648 \newskip\m@mipn@skip
9649 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
9650   {\foottextfont\global\m@mipn@skip=#1\relax}}
9651 \m@minterparanoteglue{1em plus.4em minus.4em}
9652 \ifpackageloaded{multicol}{%
9653 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9654   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9655   \hsize\textwidth%
9656   \setbox0=\hbox{}%
9657   \loop
9658     \unpenalty
9659     \setbox2=\lastbox
9660   \ifhbox2
9661     \setbox0=\hbox{\box2\unhbox0}
9662   \repeat}%
9663 }{%
9664 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9665   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9666   \setbox0=\hbox{}%
9667   \loop
9668     \unpenalty
9669     \setbox2=\lastbox
9670   \ifhbox2
9671     \setbox0=\hbox{\box2\unhbox0}
9672   \repeat}}
9673 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9674   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9675 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9676 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9677   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9678   \let\@footnotetext\@parafootnotetext
9679   \let\@LTRfootnotetext\@paraLTRfootnotetext
9680   \let\@RTLfootnotetext\@paraRTLfootnotetext
9681   \dimen\footinsv@r=\footinsdim
9682   \count\footinsv@r=1000\relax
9683   \m@make@para@footgroup{v@r}%

```





```

9684 \let\@footgroupv@r\@para@footgroupv@r
9685 \let\@mpfootnotetext\@mpparafootnotetext
9686 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9687 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9688 \m@make@mppara@footgroup{v@r}%
9689 \let\mp@footgroupv@r\@mppara@footgroupv@r
9690 {\def\baselinestretch{\m@m@footnote@spacing}%
9691 \foottextfont
9692 \dimen0=\baselineskip
9693 \multiply\dimen0 by 1024
9694 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9695 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}
9696 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9697 \let\bidi@RTL@everypar\@empty%
9698 \def\baselinestretch{\m@m@footnote@spacing}%
9699 \reset@font\foottextfont
9700 \@preamfntext
9701 \protected@edef\@currentlabel{%
9702 \csname p@footnote\endcsname\@thefnmark}%
9703 \setbox0=\vbox{\hsize=\maxdimen
9704 \color@begingroup
9705 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9706 \color@endgroup}%
9707 \m@mungebox}\m@m@mmf@prepare}
9708 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9709 \let\bidi@RTL@everypar\@empty%
9710 \def\baselinestretch{\m@m@footnote@spacing}%
9711 \reset@font\LTRfoottextfont
9712 \@preamfntext
9713 \protected@edef\@currentlabel{%
9714 \csname p@footnote\endcsname\@thefnmark}%
9715 \setbox0=\vbox{\hsize=\maxdimen
9716 \color@begingroup
9717 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9718 \color@endgroup}%
9719 \m@mungebox}\m@m@mmf@prepare}
9720 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9721 \let\bidi@RTL@everypar\@empty%
9722 \def\baselinestretch{\m@m@footnote@spacing}%
9723 \reset@font\RTLfoottextfont
9724 \@preamfntext
9725 \protected@edef\@currentlabel{%
9726 \csname p@footnote\endcsname\@thefnmark}%
9727 \setbox0=\vbox{\hsize=\maxdimen
9728 \color@begingroup
9729 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9730 \color@endgroup}%
9731 \m@mungebox}\m@m@mmf@prepare}
9732 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9733 \parindent=\z@

```



```

9734 \parfillskip=0pt \@plus 1fil
9735 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9736 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9737 \parindent=\z@
9738 \parfillskip=0pt \@plus 1fil
9739 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9740 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9741 \parindent=\z@
9742 \parfillskip=0pt \@plus 1fil
9743 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9744 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9745 \global\setbox\@mpfootinsv@r\vbox{%
9746 \let\bidi@RTL@everypar\@empty%
9747 \def\baselinestretch{\m@m@footnote@spacing}%
9748 \unvbox\@mpfootinsv@r
9749 \reset@font\foottextfont
9750 \hsize\columnwidth \@parboxrestore
9751 \protected@edef\@currentlabel{%
9752 \csname p@mpfootnote\endcsname\@thefnmark}%
9753 \setbox0=\vbox{\hsize=\maxdimen
9754 \color@begingroup
9755 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9756 \color@endgroup}%
9757 \m@mungebox}\m@m@prepare}
9758 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9759 \global\setbox\@mpfootinsv@r\vbox{%
9760 \let\bidi@RTL@everypar\@empty%
9761 \def\baselinestretch{\m@m@footnote@spacing}%
9762 \unvbox\@mpfootinsv@r
9763 \reset@font\LTRfoottextfont
9764 \hsize\columnwidth \@parboxrestore
9765 \protected@edef\@currentlabel{%
9766 \csname p@mpfootnote\endcsname\@thefnmark}%
9767 \setbox0=\vbox{\hsize=\maxdimen
9768 \color@begingroup
9769 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9770 \color@endgroup}%
9771 \m@mungebox}\m@m@prepare}
9772 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9773 \global\setbox\@mpfootinsv@r\vbox{%
9774 \let\bidi@RTL@everypar\@empty%
9775 \def\baselinestretch{\m@m@footnote@spacing}%
9776 \unvbox\@mpfootinsv@r
9777 \reset@font\RTLfoottextfont
9778 \hsize\columnwidth \@parboxrestore
9779 \protected@edef\@currentlabel{%
9780 \csname p@mpfootnote\endcsname\@thefnmark}%
9781 \setbox0=\vbox{\hsize=\maxdimen
9782 \color@begingroup
9783 \noindent \@paraRTLfootfmt{\beginR#1\endR}%

```



```

9784     \color@endgroup}%
9785     \m@mungebox}\m@mmf@prepare}
9786 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9787     \m@make@parafootnotetext{#1}%
9788     \m@make@mpparafootnotetext{#1}%
9789     \m@make@parafootfmt{#1}%
9790     \m@make@para@footgroup{#1}%
9791     \m@make@mppara@footgroup{#1}%
9792     \m@make@para@footstart{#1}%
9793     \bidi@namelongdef{@footnotetext#1}##1{%
9794         \@nameuse{@parafootnotetext#1}{##1}%
9795     \bidi@namelongdef{@mpfootnotetext#1}##1{%
9796         \@nameuse{@mpparafootnotetext#1}{##1}%
9797     \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
9798     \@namedef{@mpfootgroup#1}{\@nameuse{@mppara@footgroup#1}}%
9799     \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
9800     \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9801     \expandafter\count\csname footins#1\endcsname=1000\relax
9802     {\def\baselinestretch{\m@m@footnote@spacing}%
9803     \@nameuse{foottextfont#1}%
9804     \dimen0=\baselineskip
9805     \multiply\dimen0 by 1024
9806     \divide\dimen0 by \hsize \multiply\dimen0 by 64
9807     \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9808 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9809     \bidi@namelongdef{@parafootnotetext#1}##1{%
9810         \insert\@nameuse{footins#1}{
9811             \def\baselinestretch{\m@m@footnote@spacing}%
9812             \reset@font\@nameuse{foottextfont#1}%
9813             \@preamfntext
9814             \protected@edef\@currentlabel{%
9815                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9816             \setbox0=\vbox{\hsize=\maxdimen
9817                 \color@begingroup
9818                 \noindent \@nameuse{@parafootfmt#1}{##1}%
9819                 \color@endgroup}%
9820             \m@mungebox}\m@mmf@prepare}}
9821 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9822     \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9823         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9824             \unvbox\@nameuse{@mpfootins#1}
9825             \def\baselinestretch{\m@m@footnote@spacing}%
9826             \reset@font\@nameuse{foottextfont#1}%
9827             \hsize\columnwidth \@parboxrestore
9828             \protected@edef\@currentlabel{%
9829                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9830             \setbox0=\vbox{\hsize=\maxdimen
9831                 \color@begingroup
9832                 \noindent \@nameuse{@parafootfmt#1}{##1}%
9833                 \color@endgroup}%

```



```

9834 \m@mungebox}\m@mmf@prepare}}
9835 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9836 \bidi@namelongdef{@parafootfmt#1}##1{%
9837 \parindent=\z@
9838 \parfillskip=0pt \@plus 1fil
9839 {\@nameuse{footfootmark#1}\strut
9840 {\@nameuse{foottextfont#1}##1}\penalty-10}}
9841 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9842 \@namedef{@para@footgroup#1}{%
9843 \unvbox\@nameuse{footins#1}
9844 \m@mmakehboxofhboxes
9845 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9846 \@parboxrestore%
9847 \def\baselinestretch{\m@m@footnote@spacing}%
9848 \@nameuse{foottextfont#1}%
9849 \noindent\unhbox0\par}}
9850 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9851 \@namedef{@mppara@footgroup#1}{%
9852 \unvbox\@nameuse{@mpfootins#1}
9853 \m@mmakehboxofhboxes
9854 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9855 \def\baselinestretch{\m@m@footnote@spacing}%
9856 \@nameuse{foottextfont#1}%
9857 \noindent\unhbox0\par}}
9858 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9859 \@namedef{@para@footstart#1}{%
9860 \vskip\bigskipamount
9861 \leftskip=\z@
9862 \rightskip=\z@
9863 \parindent=\z@
9864 \vskip\skip\@nameuse{footins#1}%
9865 \footnoterule}}
9866 \bidi@ensure@newcommand*\m@m@makecolfloats}{%
9867 \xdef\@freelist{\@freelist\@midlist}%
9868 \global\let\@midlist\@empty
9869 \@combinefloats}
9870 \bidi@ensure@newcommand*\m@m@makecoltext}{%
9871 \ifvbox\@kludgeins
9872 \@makespecialcolbox
9873 \else
9874 \setbox\@outputbox \vbox to\@colht{%
9875 \texttop
9876 \dimen@ \dp\@outputbox
9877 \unvbox \@outputbox
9878 \vskip -\dimen@
9879 \textbottom}%
9880 \fi}
9881 \bidi@ensure@newcommand*\m@m@makecolintro}{%
9882 \bidi@ensure@newcommand*\m@mopfootnote}{\setbox\@outputbox \vbox{%
9883 \boxmaxdepth\@maxdepth

```



```

9884 \@tempdima\dp\@cclv
9885 \unvbox\@cclv
9886 \vskip-\@tempdima
9887 \bidi@mopfn@bottom
9888 \vskip \skip\footins
9889 \color@begingroup
9890 \normalcolor
9891 \footnoterule
9892 \unvbox \footins
9893 \color@endgroup}}
9894 \newcommand*{\bidi@mopfootnotebf}{\%
9895 \setbox\@outputbox \vbox{\%
9896 \boxmaxdepth\@maxdepth
9897 \unvbox\@outputbox
9898 \bidi@mopfn@bottom
9899 \vskip\skip\footins
9900 \color@begingroup
9901 \normalcolor
9902 \footnoterule
9903 \unvbox \footins
9904 \color@endgroup}}
9905 \gdef\mem@makecol{\%
9906 \m@m@makecolintro
9907 \ifvoid\footins
9908 \setbox\@outputbox \box\@cclv
9909 \else
9910 \m@mopfootnote
9911 \fi
9912 \m@mdoextrafeet
9913 \m@m@makecolfloats
9914 \m@m@makecoltext
9915 \global \maxdepth \@maxdepth}
9916 \gdef\bidi@makecolbf{\%
9917 \m@m@makecolintro
9918 \setbox\@outputbox \box\@cclv
9919 \m@m@makecolfloats
9920 \ifvoid\footins
9921 \else
9922 \bidi@mopfootnotebf
9923 \fi
9924 \m@mdoextrafeet
9925 \m@m@makecoltext
9926 \global \maxdepth \@maxdepth}
9927 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
9928 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
9929 \newcommand{\FeetAtBottom}{\def\bidi@mopfn@bottom{\vfill\relax}}
9930 \newcommand{\FeetBelowRagged}{\let\bidi@mopfn@bottom\relax}
9931 \FeetAboveFloat
9932 \FeetBelowRagged

```



## 7.55 extreport-xetex-bidi.def

```

9933 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class fo
9934 \renewcommand*\l@part[2]{%
9935   \ifnum \c@tocdepth >-2\relax
9936     \addpenalty{-\@highpenalty}%
9937     \addvspace{2.25em \@plus\p@}%
9938     \begingroup
9939       \setlength\@tempdima{3em}%
9940       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9941       \parfillskip -\@pnumwidth
9942       {\leavevmode
9943         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9944         \nobreak
9945         \global\@nobreaktrue
9946         \everypar{\global\@nobreakfalse\everypar{}}%
9947       \endgroup
9948     \fi}
9949 \renewcommand*\l@chapter[2]{%
9950   \ifnum \c@tocdepth >\m@ne
9951     \addpenalty{-\@highpenalty}%
9952     \vskip 1.0em \@plus\p@
9953     \setlength\@tempdima{1.5em}%
9954     \begingroup
9955       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9956       \parfillskip -\@pnumwidth
9957       \leavevmode \bfseries
9958       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9959       \hskip -\if@RTL\rightskip\else\leftskip\fi
9960       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9961       \penalty\@highpenalty
9962     \endgroup
9963     \fi}
9964 \def\@makechapterhead#1{%
9965   \vspace*{50\p@}%
9966   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9967     \ifnum \c@secnumdepth >\m@ne
9968       \huge\bfseries \@chapapp\space \thechapter
9969       \par\nobreak
9970       \vskip 20\p@
9971     \fi
9972     \interlinepenalty\@M
9973     \Huge \bfseries #1\par\nobreak
9974     \vskip 40\p@
9975   }}
9976 \def\@makeschapterhead#1{%
9977   \vspace*{50\p@}%
9978   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9979     \normalfont
9980     \interlinepenalty\@M

```



```

9981 \Huge \bfseries #1\par\nobreak
9982 \vskip 40\p@
9983 }}
9984 \renewcommand\left@footnoterule{%
9985 \kern-3\p@
9986 \hrule\@width.4\columnwidth
9987 \kern2.6\p@}
9988 \renewcommand\right@footnoterule{%
9989 \kern-3\p@
9990 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9991 \kern2.6\p@}
9992 \renewenvironment{thebibliography}[1]
9993 {\chapter*{\bibname
9994 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9995 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9996 \list{\@biblabel{\@arabic\c@enumiv}}%
9997 {\settowidth\labelwidth{\@biblabel{#1}}%
9998 \leftmargin\labelwidth
9999 \advance\leftmargin\labelsep
10000 \@openbib@code
10001 \usecounter{enumiv}%
10002 \let\p@enumiv\@empty
10003 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10004 \sloppy\clubpenalty4000\widowpenalty4000%
10005 \sfcode\.\@m}
10006 {\def\@noitemerr
10007 {\@latex@warning{Empty `thebibliography' environment}}%
10008 \endlist}
10009 \if@titlepage
10010 \renewcommand\maketitle{\begin{titlepage}%
10011 \let\footnotesize\small
10012 \let\right@footnoterule\relax
10013 \let\left@footnoterule\relax
10014 \let\textwidth\footnoterule\relax
10015 \let \footnote \thanks
10016 \null\vfil
10017 \vskip 60\p@
10018 \begin{center}%
10019 {\LARGE \@title \par}%
10020 \vskip 3em%
10021 {\large
10022 \lineskip .75em%
10023 \begin{tabular}[t]{c}%
10024 \@author
10025 \end{tabular}\par}%
10026 \vskip 1.5em%
10027 {\large \@date \par}% % Set date in \large size.
10028 \end{center}\par
10029 \@thanks
10030 \vfil\null

```



```

10031 \end{titlepage}%
10032 \setcounter{footnote}{0}%
10033 \global\let\thanks\relax
10034 \global\let\maketitle\relax
10035 \global\let\@thanks\@empty
10036 \global\let\@author\@empty
10037 \global\let\@date\@empty
10038 \global\let\@title\@empty
10039 \global\let\title\relax
10040 \global\let\author\relax
10041 \global\let\date\relax
10042 \global\let\and\relax
10043 }
10044 \else
10045 \renewcommand\maketitle{\par
10046 \begingroup
10047 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10048 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10049 \long\def\@makefntext##1{\parindent 1em\noindent
10050 \hb@xt@1.8em{%
10051 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10052 \if@twocolumn
10053 \ifnum \col@number=\@ne
10054 \@maketitle
10055 \else
10056 \twocolumn[\@maketitle]%
10057 \fi
10058 \else
10059 \newpage
10060 \global\@topnum\z@ % Prevents figures from going at top of page.
10061 \@maketitle
10062 \fi
10063 \thispagestyle{plain}\@thanks
10064 \endgroup
10065 \setcounter{footnote}{0}%
10066 \global\let\thanks\relax
10067 \global\let\maketitle\relax
10068 \global\let\@maketitle\relax
10069 \global\let\@thanks\@empty
10070 \global\let\@author\@empty
10071 \global\let\@date\@empty
10072 \global\let\@title\@empty
10073 \global\let\title\relax
10074 \global\let\author\relax
10075 \global\let\date\relax
10076 \global\let\and\relax
10077 }
10078 \def\@maketitle{%
10079 \newpage
10080 \null

```





```

10081 \vskip 2em%
10082 \begin{center}%
10083 \let \footnote \thanks
10084 {\LARGE \@title \par}%
10085 \vskip 1.5em%
10086 {\large
10087 \lineskip .5em%
10088 \begin{tabular}[t]{c}%
10089 \author
10090 \end{tabular}\par}%
10091 \vskip 1em%
10092 {\large \@date}%
10093 \end{center}%
10094 \par
10095 \vskip 1.5em}
10096 \fi
10097 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10098 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10099 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10100 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10101 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10102 \renewcommand\theequation{%
10103 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10104 \renewcommand\thefigure{%
10105 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10106 \renewcommand\thetable{%
10107 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

## 7.56 fancybox-xetex-bidi.def

```

10108 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for]
10109 \def\fancy@oval#1#2#3{%
10110 \boxmaxdepth \maxdimen
10111 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10112 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10113 \@ovxx#1\relax
10114 \advance\@ovxx-\@wholewidth
10115 \@ovyy#2\relax
10116 \advance\@ovyy-\@wholewidth
10117 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10118 \advance\@tempdimb-2\p@
10119 \ifdim\@tempdimb>\the@cornersize\relax
10120 \@tempdimb=\the@cornersize
10121 \fi
10122 \@getcirc\@tempdimb
10123 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10124 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10125 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10126 \@circlefnt
10127 \setbox\@tempboxa\hbox{\beginL%

```



```

10128 \if@ovr \@ovvert32\kern -\@tempdima \fi
10129 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10130 \if@ovt \@ovhorz \kern -\@ovxx \fi
10131 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10132 \advance\@ovdx\@ovro
10133 \advance\@ovdy\@ovro
10134 \advance\@ovxx\@wholewidth
10135 \wd\@tempboxa=\@ovxx
10136 \dp\@tempboxa=\z@}

```

## 7.57 fancyhdr-xetex-bidi.def

```

10137 \ProvidesFile{fancyhdr-xetex-bidi.def}[2016/11/30 v0.6 bidi adaptations for fancyhdr package for Xe
10138
10139 \let\fnch@everypar\everypar%
10140
10141 \def\@fancyhead#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10142 \fancyvbox\headheight{\hbox
10143 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10144 \parbox[b]{\headwidth}{\centering#3}\hfill
10145 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10146
10147 \def\@fancyfoot#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10148 \fancyvbox\footskip{\footrule
10149 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10150 \parbox[t]{\headwidth}{\centering#3}\hfill
10151 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}#5}
10152

```

## 7.58 fix2col-xetex-bidi.def

```

10153 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for Xe
10154 \def\RTL@outputdblcol{%
10155 \if@firstcolumn
10156 \global\@firstcolumnfalse
10157 \global\setbox\@leftcolumn\copy\@outputbox
10158 \splitmaxdepth\maxdimen
10159 \vbadness\maxdimen
10160 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10161 \toks@\expandafter{\topmark}%
10162 \xdef\@firstcoltopmark{\the\toks@}%
10163 \toks@\expandafter{\splitfirstmark}%
10164 \xdef\@firstcolfirstmark{\the\toks@}%
10165 \ifx\@firstcolfirstmark\@empty
10166 \global\let\@setmarks\relax
10167 \else
10168 \gdef\@setmarks{%
10169 \let\firstmark\@firstcolfirstmark
10170 \let\topmark\@firstcoltopmark}%
10171 \fi
10172 \else \global\@firstcolumntrue

```



```

10173 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10174 \hskip \columnwidth
10175 \hfil \vrule width\columnseprule \hfil
10176 \hbox to\columnwidth {\box\@leftcolumn \hss}%
10177 \hskip -\textwidth
10178 \hbox to\columnwidth{\box\@outputbox \hss}%
10179 \hskip \columnsep
10180 \hskip \columnwidth }}%
10181 \@combinedblfloats \@setmarks \@outputpage
10182 \beginngroup \@dblfloatplacement \@startdblcolumn
10183 \@whiles\if@fcolmade \fi
10184 {\@outputpage \@startdblcolumn }\endgroup
10185 \fi}
10186 \def\LTR@outputdblcol{%
10187   \if@firstcolumn
10188     \global\@firstcolumnfalse
10189     \global\setbox\@leftcolumn\copy\@outputbox
10190     \splitmaxdepth\maxdimen
10191     \vbadness\maxdimen
10192     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10193     \toks@\expandafter{\topmark}%
10194     \xdef\@firstcoltopmark{\the\toks@}%
10195     \toks@\expandafter{\splitfirstmark}%
10196     \xdef\@firstcolfirstmark{\the\toks@}%
10197     \ifx\@firstcolfirstmark\@empty
10198       \global\let\@setmarks\relax
10199     \else
10200       \gdef\@setmarks{%
10201         \let\firstmark\@firstcolfirstmark
10202         \let\topmark\@firstcoltopmark}%
10203     \fi
10204   \else
10205     \global\@firstcolumntrue
10206     \setbox\@outputbox\vbox{%
10207       \hb@xt@\textwidth{%
10208         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10209         \hfil
10210         \vrule \@width\columnseprule
10211         \hfil
10212         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10213   \@combinedblfloats
10214   \@setmarks
10215   \@outputpage
10216   \beginngroup
10217     \@dblfloatplacement
10218     \@startdblcolumn
10219     \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10220   \endgroup
10221 \fi}

```



## 7.59 fleqn-xetex-bidi.def

```

10222 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
10223 \renewcommand\[{ \relax
10224         \ifmmode \@badmath
10225         \else
10226         \begin{trivlist}%
10227         \@beginparpenalty\predisplaypenalty
10228         \@endparpenalty\postdisplaypenalty
10229         \item[]\leavevmode
10230         \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10231         \hskip\mathindent\bgroup
10232         \fi}
10233 \renewcommand\]{ \relax
10234         \ifmmode
10235         \egroup $\hfil% $
10236         \endL\egroup
10237         \end{trivlist}%
10238         \else \@badmath
10239         \fi}
10240 \renewenvironment{equation}%
10241     {\@beginparpenalty\predisplaypenalty
10242     \@endparpenalty\postdisplaypenalty
10243     \refstepcounter{equation}%
10244     \trivlist \item[]\leavevmode
10245     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10246     \displaystyle
10247     \hskip\mathindent}%
10248     {$\hfil % $
10249     \displaywidth\linewidth\hbox{\@eqnnum}%
10250     \endL\egroup
10251     \endtrivlist}

```

## 7.60 float-xetex-bidi.def

```

10252 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX
10253 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10254 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10255 \else\hbox to \hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10256 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10257     \expandafter\edef\csname the#1\endcsname{%
10258     \expandafter\noexpand\csname
10259     the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10260     {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

## 7.61 floatrow-xetex-bidi.def

```

10261 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package fo
10262 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10263     \expandafter\edef\csname theFB@captype\endcsname{%
10264     \expandafter\noexpand\csname
10265     the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```



## 7.62 flowfram-xetex-bidi.def

```

10266 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for
10267 \def\@outputdblcol{%
10268 \@nxtcol=\c@thisframe
10269 \c@curpg=\c@page
10270 \g@tnextcol{\@nxtcol}%
10271 \ifff@nwpg % next flow frame starts on new page
10272 \global\@firstcolumntrue
10273 \setcolbox\c@thisframe
10274 \if@specialpage
10275 \global\@specialpagefalse
10276 \nameuse{ps@\@specialstyle}\relax
10277 \fi
10278 \if@twoside
10279 \ifodd\count\z@
10280 \let\@thehead\@oddhead
10281 \let\@thefoot\@oddfoot
10282 \else
10283 \let\@thehead\@evenhead
10284 \let\@thefoot\@evenfoot
10285 \fi
10286 \else
10287 \let\@thehead\@oddhead
10288 \let\@thefoot\@oddfoot
10289 \fi
10290 \@begindvi
10291 \@dynamicthehead\@dynamicthefoot
10292 \vbadness=\@M
10293 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10294 \@combinedblfloats
10295 \@outputpage
10296 \advance\c@curpg by -\c@page\relax
10297 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10298 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10299 \@outputpage}
10300 \begingroup
10301 \dblfloatplacement
10302 \startdblcolumn
10303 \whilesw \if@fcolmade \fi
10304 {\@outputpage \startdblcolumn }\endgroup
10305 \@resetst@tics
10306 \@resetdyn@mics
10307 \else % still on same page, save contents of box255
10308 \global\@firstcolumnfalse
10309 \setcolbox\c@thisframe
10310 \fi
10311 \global\c@thisframe=\@nxtcol
10312 \setcol{\c@thisframe}\relax
10313 \global\colht\vsiz

```



```

10314 }
10315 \def\@outputpage{%
10316 \begingroup
10317 \let\protect\noexpand
10318 \@resetactivechars
10319 \global\let\@@if@newlist@if@newlist
10320 \global\@newlistfalse\@parboxrestore
10321 \shipout\vbox{\set@typeset@protect
10322 \aftergroup
10323 \endgroup
10324 \aftergroup
10325 \set@typeset@protect
10326 \reset@font\normalsize\normalsfcodes
10327 \let\label\@gobble
10328 \let\index\@gobble
10329 \let\glossary\@gobble
10330 \baselineskip\z@skip
10331 \lineskip\z@skip
10332 \lineskiplimit\z@
10333 \vskip\topmargin\moveright\@themargin
10334 \vbox{%
10335 \vskip\headheight
10336 \vskip\headsep
10337 \box\@outputbox
10338 }}%
10339 \global\let@if@newlist\@@if@newlist
10340 \stepcounter{page}%
10341 \setcounter{displayedframe}{0}%
10342 \let\firstmark\botmark}
10343
10344
10345 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}{}}{%
10346 \expandafter\bidicolor\ff@txtcol}}
10347
10348 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10349 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
10350
10351
10352 \renewcommand*\@docolbox}[1]{%
10353 \edef\ff@frametype{%
10354 \csname @ff@frametype@\romannumeral#1\endcsname}%
10355 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10356 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10357 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10358 \@ff@setoffset{#1}%
10359 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10360 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
10361 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10362 {\csname colheight\romannumeral#1\endcsname}}{%
10363 \expandafter\box\csname column\romannumeral#1\endcsname}}}%

```



```

10364 \csname\ff@frametype\endcsname}%
10365 }{%
10366 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10367 {\csname colheight\romannumeral#1\endcsname}{%
10368 \expandafter\box\csname column\romannumeral#1\endcsname}%
10369 }}}
10370 \@ifclassloaded{book}{%
10371 \renewcommand\theequation
10372 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10373 \renewcommand \thefigure
10374 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10375 \renewcommand \thetable
10376 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
10377 \renewcommand \thechapter {\@arabic\c@chapter}
10378 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10379 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10380 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10381 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10382 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10383 \@ifclassloaded{report}{%
10384 \renewcommand\theequation
10385 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10386 \renewcommand \thefigure
10387 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10388 \renewcommand \thetable
10389 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
10390 \renewcommand \thechapter {\@arabic\c@chapter}
10391 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10392 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10393 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10394 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10395 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10396 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10397 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10398 \else
10399 #2\relax
10400 \fi}

```

## 7.63 footnote-xetex-bidi.def

```

10401 \ProvidesFile{footnote-xetex-bidi.def}[2016/09/09 v1.0 bidi footnote macros for XeTeX engine]
10402 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10403 \newif\ifbidi@autofootnoterule
10404 \def\bidi@mpfootnoterule{\footnoterule}
10405 \newcounter{footdir@label}
10406 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10407 \newcommand*{\footdir@write}{%
10408 \stepcounter{footdir@label}%
10409 \zref@labelbyprops{\thefootdir@label}{abspage}%
10410 }

```



```

10411 \newif\iffootdir@debug
10412 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10413 \newtoks\footdir@toks
10414 \newcommand*{\footdir@debug}[1]{%
10415   \iffootdir@debug
10416     \typeout{[footdir] #1}%
10417   \fi
10418 }
10419 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
10420 %   \newcommand*{\footdir@LeftRightElse}{%
10421 %     \ltx@ifundefined{footdir@the\value{zabspage}}{%
10422 %       \footdir@debug{abspage \the\value{zabspage}: else}%
10423 %     \ltx@thirdofthree
10424 %   }{%
10425 %     \if\csname footdir@\the\value{zabspage}\endcsname L%
10426 %       \footdir@debug{abspage \the\value{zabspage}: left}%
10427 %     \expandafter\ltx@firstofthree
10428 %   \else
10429 %     \footdir@debug{abspage \the\value{zabspage}: right}%
10430 %     \expandafter\ltx@secondofthree
10431 %   \fi
10432 % }%
10433 %}%
10434 %}{%
10435   \providecommand*{\c@zabspage}{\c@abspage}%
10436   \newcommand*{\footdir@LeftRightElse}{%
10437     \footdir@write
10438     \zifrefundefined{\thefootdir@label}{%
10439       \footdir@debug{abspage ?? : else}%
10440     \ltx@thirdofthree
10441   }{%
10442     \edef\footdir@abspage{%
10443       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10444     }%
10445     \ltx@ifundefined{footdir@\footdir@abspage}{%
10446       \footdir@debug{\footdir@abspage: else}%
10447     \ltx@thirdofthree
10448   }{%
10449     \if\csname footdir@\footdir@abspage\endcsname L%
10450       \footdir@debug{\footdir@abspage: left}%
10451     \expandafter\ltx@firstofthree
10452   \else
10453     \footdir@debug{\footdir@abspage: right}%
10454     \expandafter\ltx@secondofthree
10455   \fi
10456 }%
10457 }%
10458 }%
10459 %}
10460 \newcommand*{\footdir@fntext}[1]{%

```





```

10461 \zifrefundefined{\thefootdir@label}{%
10462 }{%
10463     \edef\footdir@name{%
10464         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10465     }%
10466     \@ifundefined{\footdir@name}{%
10467         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10468     }{}%
10469 }%
10470 }
10471
10472 \newcommand*{\footdir@temp}[3]{%
10473     \@ifdefinable{#1}{%
10474         \let#1#2%
10475         \renewcommand{#2}[1]{%
10476             \footdir@write
10477             \footdir@fntext{#3}%
10478             \stepcounter{footdir@label}%
10479             \footdir@fntext{#3}%
10480             \footdir@toks{##1}%
10481             \footdir@toks\expandafter{%
10482                 \the\expandafter\footdir@toks
10483                 \expandafter
10484                 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10485             }%
10486             \expandafter#1\expandafter{\the\footdir@toks}%
10487         }%
10488     }%
10489 }
10490
10491 \def\right@footnoterule{%
10492     \kern-3\p@
10493     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10494     \kern2.6\p@}
10495 \def\left@footnoterule{\kern-3\p@
10496     \hrule \@width .4\columnwidth \kern 2.6\p@}
10497 \def\textwidth@footnoterule{\kern-3\p@
10498     \hrule \@width \columnwidth \kern 2.6\p@}
10499 \def\leftfootnoterule{%
10500     \bidi@autofootnoterulefalse%
10501     \def\footnoterule{\left@footnoterule}}
10502 \let\LRfootnoterule=\leftfootnoterule
10503 \def\rightfootnoterule{%
10504     \bidi@autofootnoterulefalse%
10505     \def\footnoterule{\right@footnoterule}}
10506 \def\textwidthfootnoterule{%
10507     \bidi@autofootnoterulefalse%
10508     \def\footnoterule{\textwidth@footnoterule}}
10509
10510

```



```

10511
10512 \def\auto@footnoterule{%
10513 \footdir@LeftRightElse%
10514 \left@footnoterule%
10515 \right@footnoterule%
10516 \left@footnoterule%
10517 }
10518
10519
10520
10521 \def\autofootnoterule{%
10522 \bidi@autofootnoteruletrue%
10523 \def\footnoterule{\auto@footnoterule}%
10524 }
10525
10526 \newcommand*\SplitFootnoteRule{%
10527 \gdef\split@prev{0}
10528 \let\pagefootnoterule\footnoterule
10529 \let\mpfootnoterule\footnoterule
10530 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10531 \def\footnoterule{\relax
10532 \ifx \@listdepth\@mplistdepth
10533 \mpfootnoterule
10534 \else
10535 \ifnum\split@prev=\z@
10536 \pagefootnoterule
10537 \else
10538 \splitfootnoterule
10539 \fi
10540 \xdef\split@prev{\the\insertpenalties}%
10541 \fi
10542 }%
10543 }
10544
10545
10546
10547
10548 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10549 \protected@xdef\@thefnmark{\thempfn}%
10550 \@footnotemark\@RTLfootnotetext}}
10551 \def\@xRTLfootnote[#1]{%
10552 \begingroup
10553 \csname c@\@mpfn\endcsname #1\relax
10554 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10555 \endgroup
10556 \@footnotemark\@RTLfootnotetext}
10557 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10558 \protected@xdef\@thefnmark{\thempfn}%
10559 \@footnotemark\@LTRfootnotetext}}
10560 \def\@xLTRfootnote[#1]{%

```



```

10561 \begingroup
10562   \csname c@\@mpfn\endcsname #1\relax
10563   \unrestored@protected@xdef\@thefnmark{\thempfn}%
10564 \endgroup
10565 \@footnotemark\@LTRfootnotetext}
10566
10567
10568 \def\setfootnoteRL{\@RTLfootnotetrue}
10569 \def\unsetfootnoteRL{\@RTLfootnotefalse}
10570 \def\setfootnoteLR{\unsetfootnoteRL}
10571
10572 \long\def\@footnotetext#1{\insert\footins{%
10573   \if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
10574   \reset@font\footnotesize
10575   \interlinepenalty\interfootnotelinepenalty
10576   \splittopskip\footnotesep
10577   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10578   \hsize\columnwidth \@parboxrestore
10579   \protected@edef\@currentlabel{%
10580     \csname p@footnote\endcsname\@thefnmark
10581   }%
10582   \color@begingroup
10583     \makefnintext{%
10584       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10585   \color@endgroup}}%
10586
10587
10588 \long\def\@RTLfootnotetext#1{\insert\footins{%
10589   \@RTLtrue%
10590   \reset@font\footnotesize
10591   \interlinepenalty\interfootnotelinepenalty
10592   \splittopskip\footnotesep
10593   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10594   \hsize\columnwidth \@parboxrestore
10595   \protected@edef\@currentlabel{%
10596     \csname p@footnote\endcsname\@thefnmark
10597   }%
10598   \color@begingroup
10599     \makefnintext{%
10600       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10601   \color@endgroup}}%
10602
10603 \long\def\@LTRfootnotetext#1{\insert\footins{%
10604   \@RTLfalse%
10605   \reset@font\footnotesize
10606   \interlinepenalty\interfootnotelinepenalty
10607   \splittopskip\footnotesep
10608   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10609   \hsize\columnwidth \@parboxrestore
10610   \protected@edef\@currentlabel{%

```



```

10611      \csname p@footnote\endcsname\@thefnmark
10612    }%
10613    \color@begingroup
10614      \makefnintext{%
10615        \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10616      \color@endgroup}}%
10617
10618 \AtBeginDocument{%
10619 \if@RTL@footnote
10620   \newcommand*{\bidi@footdir@footnote}{R}
10621 \else
10622   \newcommand*{\bidi@footdir@footnote}{L}
10623 \fi%
10624 }
10625
10626 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10627 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10628 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10629
10630 \long\def\@mpRTLfootnotetext#1{%
10631   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
10632   \global\setbox\@mpfootins\vbox{\@RTLtrue%
10633     \unvbox\@mpfootins
10634     \reset@font\footnotesize
10635     \hsize\columnwidth
10636     \@parboxrestore
10637     \protected@edef\@currentlabel
10638       {\csname p@mpfootnote\endcsname\@thefnmark}%
10639     \color@begingroup
10640       \makefnintext{%
10641         \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10642       \color@endgroup}}
10643 \long\def\@mpLTRfootnotetext#1{%
10644   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
10645   \global\setbox\@mpfootins\vbox{\@RTLfalse%
10646     \unvbox\@mpfootins
10647     \reset@font\footnotesize
10648     \hsize\columnwidth
10649     \@parboxrestore
10650     \protected@edef\@currentlabel
10651       {\csname p@mpfootnote\endcsname\@thefnmark}%
10652     \color@begingroup
10653       \makefnintext{%
10654         \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10655       \color@endgroup}}
10656 \long\def\@mpfootnotetext#1{%
10657   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
10658   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10659     \unvbox\@mpfootins
10660     \reset@font\footnotesize

```



```

10661 \hsize\columnwidth
10662 \@parboxrestore
10663 \protected@edef\@currentlabel
10664     {\csname p@mpfootnote\endcsname\@thefnmark}%
10665 \color@begingroup
10666     \@makefnintext{%
10667         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10668     \color@endgroup}}
10669 \def\@iiiminipage#1#2[#3]#4{%
10670     \leavevmode
10671     \@pboxswfalse
10672     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
10673     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10674     \setlength\@tempdima{#4}%
10675     \def\@mpargs{#1}{#2}[#3]{#4}%
10676     \setbox\@tempboxa\vbox\bgroup
10677         \color@begingroup
10678             \hsize\@tempdima
10679             \textwidth\hsize \columnwidth\hsize
10680             \@parboxrestore
10681             \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10682             \let\@footnotetext\@mpfootnotetext
10683             \let\@LTRfootnotetext\@mpLTRfootnotetext
10684             \let\@RTLfootnotetext\@mpRTLfootnotetext
10685             \let\@listdepth\@mplistdepth \@mplistdepth\z@
10686             \@minipagerestore
10687             \@setminipage}
10688 \def\endminipage{%
10689     \par
10690     \unskip
10691     \ifvoid\@mpfootins\else
10692         \vskip\skip\@mpfootins
10693         \normalcolor
10694         \bidi@mpfootnoterule
10695         \unvbox\@mpfootins
10696     \fi
10697     \@minipagefalse %% added 24 May 89
10698     \color@endgroup
10699     \egroup
10700     \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10701 \def\LTRthanks#1{\footnotemark
10702     \protected@xdef\@thanks{\@thanks
10703         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10704 }
10705 \def\LTRfootnotetext{%
10706     \ifnextchar [\@xLTRfootnotenext
10707         {\protected@xdef\@thefnmark{\thempfn}%
10708         \@LTRfootnotetext}}
10709 \def\@xLTRfootnotenext[#1]{%
10710     \begingroup

```



```

10711     \csname c@\@mpfn\endcsname #1\relax
10712     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10713   \endgroup
10714   \@LTRfootnotetext}
10715 \def\RTLthanks#1{\footnotemark
10716   \protected@xdef\@thanks{\@thanks
10717     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10718 }
10719 \let\@thanks\@empty
10720 \def\RTLfootnotetext{%
10721   \@ifnextchar [\@xRTLfootnotenext
10722     {\protected@xdef\@thefnmark{\thempfn}%
10723     \@RTLfootnotetext}}
10724 \def\@xRTLfootnotenext[#1]{%
10725   \begingroup
10726     \csname c@\@mpfn\endcsname #1\relax
10727     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10728   \endgroup
10729   \@RTLfootnotetext}
10730 \leftfootnoterule

```

## 7.64 framed-xetex-bidi.def

```

10731 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeLaTeX]
10732 \renewcommand\TitleBarFrame[3][\begingroup
10733   \ifx\delimiter#1\delimiter
10734     \let\TF@conlab\@empty
10735   \else
10736     \def\TF@conlab{% continuation label
10737       \nointerlineskip
10738       \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
10739   \fi
10740   %\let\TF@savecolor\current@color
10741   \textcolor{TFFrameColor}{%
10742     \CustomFBox
10743     {\TF@Title{#2}}{\TF@conlab}%
10744     \fboxrule\fboxrule\fboxrule\fboxrule
10745     %{\let\current@color\TF@savecolor\set@color #3}%
10746     {\normalcolor #3}%
10747   }\endgroup
10748 }
10749 \renewenvironment{titled-frame}[1]{%
10750   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
10751     \TitleBarFrame{\textbf{#1}}}%
10752   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
10753     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
10754   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
10755     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1} (cont)}}
10756   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
10757     \TitleBarFrame{\textbf{#1} (cont)}}}%

```



```

10758 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10759 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10760 % could interfere with the width measurement.
10761 {\endMakeFramed}
10762 \chardef\FrameRestore=\catcode`\| % for debug
10763 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10764 \def\fb@put@frame#1#2{\relax
10765 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
10766 | \message{===== Entering putframe =====^^J
10767 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10768 \ifinner
10769 \fb@putboxa#1%
10770 \fb@afterframe
10771 \else
10772 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10773 \ifdim\dimen@<2\baselineskip % Too little room on page
10774 | \message{Page has only \the\dimen@\space room left; eject. }%
10775 \eject \fb@adjheight \fb@put@frame#1#2%
10776 \else % there's appreciable room left on the page
10777 \fb@sizeofframe#1%
10778 | \message{\string\pagetotal=\the\pagetotal,
10779 | \string\pagegoal=\the\pagegoal,
10780 | \string\pagestretch=\the\pagestretch,
10781 | \string\pageshrink=\the\pageshrink,
10782 | \string\fb@frh=\the\fb@frh. \space}
10783 | \message{^^JBox of size \the\ht\@tempboxa\space}%
10784 \begingroup % temporarily set \dimen@ to be...
10785 \advance\dimen@.8\pageshrink % maximum space available on page
10786 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10787 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10788 \expandafter\endgroup
10789 % expand \ifdim, then restore \dimen@ to real room left on page
10790 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10791 | \message{fits in \the\dimen@. }%
10792 % ToDo: Change this to use vsplit anyway to capture the marks
10793 % MERGE THIS WITH THE else CLAUSE!!!
10794 \fb@putboxa#1%
10795 \fb@afterframe
10796 \else % box must be split
10797 | \message{must be split to fit in \the\dimen@. }%
10798 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10799 \fb@sizeofframe#2%
10800 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10801 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10802 \kern137sp\kern-137sp\penalty-30
10803 \unvbox\@tempboxa}%
10804 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10805 \splittopskip\the\splittopskip}%
10806 \boxmaxdepth\z@ \splittopskip\z@
10807 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%

```



```

10808      % Split box here
10809      \setbox\tw@\vsplit\@tempboxa to\dimen@
10810 |      \toks99\expandafter{\splitfirstmark}%
10811 |      \toks98\expandafter{\splitbotmark}%
10812 |      \message{Marks are: \the\toks99, \the\toks98. }%
10813      \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10814 |      \message{Natural height of split box is \the\ht\tw@, leaving
10815 |          \the\ht\@tempboxa\space remainder. }%
10816      % If the split-to size > (\vsize-\topskip), then set box to full size.
10817      \begingroup
10818      \advance\dimen@ \topskip
10819      \expandafter\endgroup
10820      \ifdim\dimen@>\pagegoal
10821 |          \message{Frame is big -- Use up the full column. }%
10822          \dimen@ii\pagegoal
10823          \advance\dimen@ii -\topskip
10824          \advance\dimen@ii \FrameHeightAdjust\relax
10825      \else % suspect this is implemented incorrectly:
10826      % If the split-to size > feasible room_on_page, rebox it smaller.
10827          \advance\dimen@.8\pageshrink
10828          \ifdim\ht\tw@>\dimen@
10829 |              \message{Box too tall; rebox it to \the\dimen@. }%
10830              \dimen@ii\dimen@
10831          \else % use natural size
10832              \dimen@ii\ht\tw@
10833          \fi
10834      \fi
10835      % Re-box contents to desired size \dimen@ii
10836      \advance\dimen@ii -\fb@frh
10837      \setbox\tw@\vbox to\dimen@ii \bgroup
10838      % remove simulated frame and page flexibility:
10839      \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10840      \unvbox\tw@ \unpenalty\unpenalty
10841      \ifdim\lastkern=-137sp % whole box went to next page
10842 |          \message{box split at beginning! }%
10843          % need work here???
10844      \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10845          \fb@adjheight
10846          \fb@put@frame#1#2% INSERTED ???
10847      \else % Got material split off at the head
10848          \egroup \fb@resto@set
10849          \ifvoid\@tempboxa % it all fit after all
10850 |              \message{box split at end! }%
10851              \setbox\@tempboxa\box\tw@
10852              \fb@putboxa#1%
10853              \fb@afterframe
10854          \else % it really did split
10855 |              \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10856              \ifdim\wd\tw@>\z@
10857                  \wd\tw@\wd\@tempboxa

```





```

10858         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10859         \else
10860 |         \message{Zero width means likely blank. Don't frame it (guess)}%
10861         \box\tw@
10862         \fi
10863         \hrule \@height\z@ \@width\hsize
10864         \eject
10865         \fb@adjheight
10866         \fb@put@frame\LastFrameCommand\MidFrameCommand
10867     \fi\fi\fi\fi\fi
10868 }
10869 \def\fb@putboxa#1{%
10870     \ifvoid\@tempboxa
10871         \PackageWarning{framed}{Boxa is void -- discard it. }%
10872     \else
10873 |     \message{Frame and place boxa. }%
10874 |     %{\showoutput\showbox\@tempboxa}%
10875     \centerline{#1{\hboxL{\box\@tempboxa}}}%
10876     \fi
10877 }
10878 \catcode`\|=\FrameRestore
10879 \def\FrameRestore{%
10880     \let\if@nobreak\iffalse
10881     \let\if@noskipsec\iffalse
10882     \let\-\@dischyph
10883     \let'\@acci\let'\@accii\let\=\@acciii
10884     % \message{FrameRestore:
10885     %     \@totalleftmargin=\the \@totalleftmargin,
10886     %     \rightmargin=\the\rightmargin,
10887     %     \@listdepth=\the\@listdepth. }%
10888     % Test if we are in a list (or list-like paragraph)
10889     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10890         \ifdim\rightmargin>\z@ 1\fi
10891         \ifnum\@listdepth>\z@ 1\fi 0>\z@
10892     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10893     %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10894     %         \labelwidth=\the\labelwidth. }%
10895     % \setminipage % snug fit around the item
10896     % Now try to propagate changes of width from \hsize to list parameters.
10897     % This is deficient, but a more advanced way to indicate modification to text
10898     % dimensions is not (yet) provided; in particular, no separate left/right
10899     % adjustment.
10900     \advance\linewidth-\columnwidth \advance\linewidth\hsize
10901     \parshape\@ne \@totalleftmargin \linewidth
10902 \else % Not in list
10903     \linewidth=\hsize
10904     %\message{No list, set \string\linewidth=\the\hsize. }%
10905     \fi
10906     \sloppy
10907 }

```



## 7.65 ftnright-xetex-bidi.def

```

10908 \ProvidesFile{ftnright-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for ftnright package for
10909
10910 \def\LTR@outputdblcol{%
10911   \if@firstcolumn
10912     \global\@firstcolumnfalse
10913     \global\setbox\@leftcolumn\copy\@outputbox
10914     \global\count\footins\@m
10915     \global\skip\footins\rcol\footinsskip
10916     \splitmaxdepth\maxdimen
10917     \vbadness\maxdimen
10918     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10919     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10920     \toks@\expandafter{\topmark}%
10921     \xdef\@firstcoltopmark{\the\toks@}%
10922     \toks@\expandafter{\splitfirstmark}%
10923     \xdef\@firstcolfirstmark{\the\toks@}%
10924     \ifx\@firstcolfirstmark\@empty
10925       \global\let\@setmarks\relax
10926     \else
10927       \gdef\@setmarks{%
10928         \let\firstmark\@firstcolfirstmark
10929         \let\topmark\@firstcoltopmark}%
10930     \fi
10931   \else
10932     \preparefootins
10933     \global\@firstcolumntrue
10934     \setbox\@outputbox\vbox{%
10935       \hb@xt@\textwidth{%
10936         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10937         \hfil
10938         {\normalcolor\vrule \@width\columnseprule}%
10939         \hfil
10940         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10941     \@combinedblfloats
10942     \@setmarks
10943     \@outputpage
10944     \begingroup
10945       \@dblfloatplacement
10946       \@startdblcolumn
10947       \@whiles\if@fcolmade \fi{\@outputpage
10948         \@startdblcolumn}%
10949     \endgroup
10950   \fi}%
10951
10952
10953
10954 \def\RTL@outputdblcol{%
10955   \if@firstcolumn

```



```

10956 \global\@firstcolumnfalse
10957 \global\setbox\@leftcolumn\copy\@outputbox
10958 \global\count\footins\@m
10959 \global\skip\footins\rcol\@footinsskip
10960 \splitmaxdepth\maxdimen
10961 \vbadness\maxdimen
10962 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10963 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10964 \toks@\expandafter{\topmark}%
10965 \xdef\@firstcoltopmark{\the\toks@}%
10966 \toks@\expandafter{\splitfirstmark}%
10967 \xdef\@firstcolfirstmark{\the\toks@}%
10968 \ifx\@firstcolfirstmark\@empty
10969 \global\let\@setmarks\relax
10970 \else
10971 \gdef\@setmarks{%
10972 \let\firstmark\@firstcolfirstmark
10973 \let\topmark\@firstcoltopmark}%
10974 \fi
10975 \else
10976 \preparefootins
10977 \global\@firstcolumntrue
10978 \setbox\@outputbox\vbox{%
10979 \hb@xt@\textwidth{%
10980 \hskip \columnwidth
10981 \hfil
10982 {\normalcolor\vrule \@width\columnseprule}%
10983 \hfil
10984 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10985 \hskip -\textwidth
10986 \hb@xt@\columnwidth{\box\@outputbox \hss}%
10987 \hskip \columnsep
10988 \hskip \columnwidth }}%
10989 \@combinedblfloats
10990 \@setmarks
10991 \@outputpage
10992 \begingroup
10993 \dblfloatplacement
10994 \startdblcolumn
10995 \@whiles\if@colmade \fi{\@outputpage
10996 \startdblcolumn}%
10997 \endgroup
10998 \fi}%
10999
11000
11001
11002 \let\leftfootnoterule\@empty
11003 \let\rightfootnoterule\@empty
11004 \let\textwidthfootnoterule\@empty
11005 \let\autofootnoterule\@empty

```



```

11006 \let\footnoterule\@empty
11007 \long\def\@makefnmark#1{\parindent 1em
11008   \noindent\hbox to 2em{\%
11009     \llap{\@thefnmark\hbox{.}\,.\,}\#1}

```

```

11010 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
11011 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11012   \Grot@setangle{#1}%
11013   \setbox\z@\hbox{\{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11014   \Grot@x\z@
11015   \Grot@y\z@
11016   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11017 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11018   \leavevmode
11019   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11020   \setbox\z@\hbox{\{#3\}}%
11021   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11022   \ifdim#2\p@<\z@
11023     \ht\tw@-#2\dp\z@
11024     \dp\tw@-#2\ht\z@
11025   \else
11026     \ht\tw@#2\ht\z@
11027     \dp\tw@#2\dp\z@
11028   \fi
11029   \ifdim#1\p@<\z@
11030     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11031   \else
11032     \wd\tw@#1\wd\z@
11033     \box\tw@
11034   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11035 \def\Gin@iii[#1,#2][#3,#4]#5{%
11036   \begingroup
11037   \ifmmode\else\if@RTL\beginL\fi\fi
11038   \Gin@bboxtrue
11039   \Gin@defaultbp\Gin@llx{#1}%
11040   \Gin@defaultbp\Gin@lly{#2}%
11041   \Gin@defaultbp\Gin@urx{#3}%
11042   \Gin@defaultbp\Gin@ury{#4}%
11043   \Gin@include@graphics{#5}%
11044   \ifmmode\else\if@RTL\endL\fi\fi
11045   \endgroup}
11046 \def\Gin@ii[#1]#2{%
11047   \def\@tempa{[]}\def\@tempb{#2}%
11048   \ifx\@tempa\@tempb
11049     \def\@tempa{\Gin@iii[#1] []}%
11050     \expandafter\@tempa
11051   \else
11052     \begingroup

```

```

11053     \ifmmode\else\if@RTL\beginL\fi\fi
11054     \@tempswafalse
11055     \toks@{\Ginclude@graphics{#2}}%
11056     \setkeys{Gin}{#1}%
11057     \Gin@esetsize
11058     \the\toks@
11059     \ifmmode\else\if@RTL\endL\fi\fi
11060   \endgroup
11061   \fi}
11062 \def\reflectbox{\bidiGscale@box-1[1]}
11063 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11064   \leavevmode
11065   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11066   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11067   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11068   \ifdim#2\p<\z@
11069     \ht\tw@-#2\dp\z@
11070     \dp\tw@-#2\ht\z@
11071   \else
11072     \ht\tw@#2\ht\z@
11073     \dp\tw@#2\dp\z@
11074   \fi
11075   \ifdim#1\p<\z@
11076     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11077   \else
11078     \wd\tw@#1\wd\z@
11079     \box\tw@
11080   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11081 \def\scalebox#1{%
11082   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
11083 \def\resizebox{%
11084   \leavevmode
11085   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11086 \def\bidiGscale@@box#1#2#3{%
11087   \let\@tempa\Gin@exclamation
11088   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11089   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11090   \ifx\@tempb\@tempa
11091     \ifx\@tempc\@tempa
11092       \toks@{\mbox}%
11093     \else
11094       \toks@{\bidiGscale@box@dd{#3}#1}%
11095     \fi
11096   \else
11097     \ifx\@tempc\@tempa
11098       \toks@{\bidiGscale@box@dd{#2}\width}%
11099     \else
11100       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11101     \fi
11102   \fi

```



```

11103 \the\toks@}
11104 \long\def\bidiGscale@box@dd#1#2#3{%
11105 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11106 \setlength\@tempdima{#1}%
11107 \setlength\@tempdimb{#2}%
11108 \Gscale@div\@tempa\@tempdima\@tempdimb
11109 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11110 \@end@tempboxa}
11111 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
11112 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11113 \setlength\@tempdima{#1}%
11114 \setlength\@tempdimb{#2}%
11115 \Gscale@div\@tempa\@tempdima\@tempdimb
11116 \setlength\@tempdima{#3}%
11117 \setlength\@tempdimb{#4}%
11118 \Gscale@div\@tempb\@tempdima\@tempdimb
11119 \ifGin@iso
11120 \ifdim\@tempa\p@>\@tempb\p@
11121 \let\@tempa\@tempb
11122 \else
11123 \let\@tempb\@tempa
11124 \fi
11125 \fi
11126 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11127 \@end@tempboxa}

```

## 7.67 geometry-xetex-bidi.def

```

11128 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package for xetex]
11129 \renewcommand*{\Gm@vrules@mpi}{%
11130 \if@RTLmain%
11131 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11132 \llap{\Gm@vrule}\ignorespaces
11133 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11134 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11135 \else%
11136 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11137 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11138 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11139 \renewcommand*{\Gm@vrules@mpii}{%
11140 \if@RTLmain%
11141 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11142 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11143 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11144 \else%
11145 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11146 \llap{\Gm@vrule}\ignorespaces
11147 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11148 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11149 \bidi@patchcmd{\Gm@pageframes}{%

```



```

11150     \ifodd\count\z@
11151         \let\@themargin\oddsidemargin
11152     \else
11153         \let\@themargin\evensidemargin
11154     \fi
11155 }{%
11156     \ifodd\count\z@
11157         \if@RTLmain
11158             \let\@themargin\evensidemargin
11159         \else
11160             \let\@themargin\oddsidemargin
11161         \fi
11162     \else
11163         \if@RTLmain
11164             \let\@themargin\oddsidemargin
11165         \else
11166             \let\@themargin\evensidemargin
11167         \fi
11168     \fi
11169 }-{}-{}

```

## 7.68 hvfloat-xetex-bidi.def

```

11170 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for Xe
11171 \def\do@hvFloat[#1]#2#3{%
11172 \def\hv@shortCap{#1}
11173 \def\hv@longCap{#2}
11174 \def\hv@label{#3}
11175 %\newcommand*{\hvFloat}[5][[]]{%
11176 % [#1]: keyvalues
11177 % #2: type figure | table | ...
11178 % #3: float contents
11179 % [#4]: short caption
11180 % #5: caption
11181 % #6: label
11182 % \setDefault%
11183 % \def\@tempa{#1}%
11184 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11185 \def\@tempa{90}%
11186 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11187 \else \setlength{\hvMaxCapWidth}{\linewidth}
11188 \fi
11189 %
11190 % First we save the object in \hvObjectBox
11191 %
11192 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11193 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11194 \else
11195 \savebox{\hvObjectBox}{%
11196 \rotatebox{\hvSet@objectAngle}{%

```



```

11197 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11198 \fi
11199 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11200 %
11201 % Now we save the caption with its defined \hvCapWidth
11202 %
11203 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11204 \else
11205 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11206 \else
11207 \setlength{\hvCapWidth}{\hvObjectWidth}
11208 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11209 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11210 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11211 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11212 \else
11213 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11214 \fi
11215 \fi
11216 \fi
11217 %
11218 % now we have the object and the caption with the right
11219 % rotated angles saved in boxes
11220 %
11221 \def\fps@figure{\hvSet@floatPos}
11222 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11223 \else \begin{\hv@floatType}% Start the floating environment
11224 \fi%
11225 \saveCaptionSkip% we put this space ourselves
11226 \ifx\hvSet@capAngle\hv@Width % need rotation?
11227 \sbox{\hvCaptionBox}{%
11228 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11229 \ifhv@nonFloat%
11230 \ifhv@onlyText#2%
11231 \else%
11232 \ifx\hv@floatType\hv@figure
11233 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11234 \else
11235 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11236 \fi
11237 \fi
11238 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11239 \fi%
11240 \label{#3}%
11241 \end{minipage}%
11242 }%
11243 \else%
11244 \sbox{\hvCaptionBox}{%
11245 \rotatebox{\hvSet@capAngle}{%
11246 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation

```





```

11247 \ifhv@nonFloat%
11248     \ifhv@onlyText#2%
11249     \else%
11250     \ifx\hv@floatType\hv@figure
11251         \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11252     \else
11253         \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11254     \fi
11255 \fi
11256 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11257     \fi%
11258     \label{#3}%
11259     \end{minipage}%
11260     }%
11261 }%
11262 \fi%
11263 %%
11264 \restoreCaptionSkip% save old values
11265 \ifx\hvSet@ObjectPos\hv@Right\@bidi@raggedleft%
11266 \else%
11267     \ifx\hvSet@ObjectPos\hv@Center
11268         \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11269     \fi%
11270 \fi%
11271 %
11272 % to rotate object and caption together, we save all in another box
11273 % the caption comes first, if its on the left or the top
11274 %
11275 \savebox{\@tempboxa}{%
11276     \ifx\hvSet@capPos\hv@Left % caption on left side
11277 \if@RTL%
11278 \ifx\hvSet@capVPos\hv@Center%
11279 \ifhv@fbox
11280 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11281 \else
11282 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11283 \fi%
11284 \hspace{\hvSet@floatCapSep pt}%
11285 \ifhv@fbox
11286 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11287 \else
11288 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11289 \fi%
11290 \else%
11291 \ifx\hvSet@capVPos\hv@Top
11292 \ifhv@fbox
11293 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11294 \else
11295 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11296 \fi%

```



```

11297 \hspace{\hvSet@floatCapSep pt}%
11298 \ifhv@fbox
11299 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11300 \else
11301 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11302 \fi
11303 \else
11304 \ifhv@fbox
11305 \fbox{\usebox{\hvObjectBox}}%
11306 \else
11307 \usebox{\hvObjectBox}%
11308 \fi
11309 \hspace{\hvSet@floatCapSep pt}%
11310 \ifhv@fbox
11311 \fbox{\usebox{\hvCaptionBox}}%
11312 \else
11313 \usebox{\hvCaptionBox}%
11314 \fi%
11315 \fi%
11316 \fi%
11317 \else% not RTL
11318 \ifx\hvSet@capVPos\hv@Center%
11319 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11320 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11321 \fi%
11322 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11323 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11324 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11325 \fi%
11326 \else%
11327 \ifx\hvSet@capVPos\hv@Top % caption at top
11328 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11329 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11330 \fi
11331 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11332 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11333 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11334 \fi%
11335 \else% caption on bottom
11336 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
11337 \else\usebox{\hvCaptionBox}
11338 \fi%
11339 \hspace{\hvSet@floatCapSep pt}%
11340 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
11341 \else \usebox{\hvObjectBox}
11342 \fi%
11343 \fi%
11344 \fi% end of RTL
11345 \fi%
11346 \else

```



```

11347 \ifx\hvSet@capPos\hv@Top
11348 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11349 \begin{minipage}{\wd\hvCaptionBox}
11350 \else
11351 \begin{minipage}{\wd\hvObjectBox}
11352 \fi
11353 \centering
11354 \ifhv@fbox
11355 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11356 \fbox{\usebox{\hvObjectBox}}
11357 \else
11358 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11359 \usebox{\hvObjectBox}
11360 \fi%
11361 \end{minipage}
11362 \else
11363 \ifx\hvSet@capPos\hv@Bottom
11364 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11365 \begin{minipage}{\wd\hvCaptionBox}
11366 \else
11367 \begin{minipage}{\wd\hvObjectBox}
11368 \fi
11369 \centering
11370 \ifhv@fbox
11371 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11372 \fbox{\usebox{\hvCaptionBox}}
11373 \else
11374 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11375 \usebox{\hvCaptionBox}
11376 \fi%
11377 \end{minipage}
11378 \else% the last option: put the caption on the right
11379 \ifRTL%
11380 \ifx\hvSet@capVPos\hv@Center%
11381 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11382 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11383 \fi%
11384 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11385 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11386 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11387 \fi%
11388 \else%
11389 \ifx\hvSet@capVPos\hv@Top % caption at top
11390 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11391 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11392 \fi
11393 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11394 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
11395 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11396 \fi%

```



```

11397 \else% caption on bottom
11398 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11399 \else\usebox{\hvCaptionBox}
11400 \fi%
11401 \hspace{\hvSet@floatCapSep pt}%
11402 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11403 \else \usebox{\hvObjectBox}
11404 \fi%
11405 \fi%
11406 \fi%
11407 \else% not RTL
11408 \ifx\hvSet@capVPos\hv@Center%
11409 \ifhv@fbox
11410 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11411 \else
11412 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11413 \fi%
11414 \hspace{\hvSet@floatCapSep pt}%
11415 \ifhv@fbox
11416 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11417 \else
11418 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11419 \fi%
11420 \else%
11421 \ifx\hvSet@capVPos\hv@Top
11422 \ifhv@fbox
11423 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11424 \else
11425 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11426 \fi%
11427 \hspace{\hvSet@floatCapSep pt}%
11428 \ifhv@fbox
11429 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11430 \else
11431 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11432 \fi
11433 \else
11434 \ifhv@fbox
11435 \fbbox{\usebox{\hvObjectBox}}%
11436 \else
11437 \usebox{\hvObjectBox}%
11438 \fi
11439 \hspace{\hvSet@floatCapSep pt}%
11440 \ifhv@fbox
11441 \fbbox{\usebox{\hvCaptionBox}}%
11442 \else
11443 \usebox{\hvCaptionBox}%
11444 \fi%
11445 \fi%
11446 \fi

```



```

11447 \fi% end of RTL
11448 \fi
11449 \fi
11450 \fi
11451 }% End savebox Object and caption
11452 %
11453 % now we rotate the object and caption, if needed
11454 %
11455 \ifx\hvSet@rotAngle\hv@Zero
11456 \usebox{\@tempboxa}
11457 \else
11458 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11459 \fi
11460 \ifhv@nonFloat
11461 \ifx\hvSet@objectPos\hv@Center
11462 \ifhv@nonFloat
11463 \hspace{\fill}
11464 \fi
11465 \fi
11466 \endgroup% End the nonfloat part
11467 \else
11468 \end{\hv@floatType}% End the floating environment
11469 \fi
11470 }

```

## 7.69 hyperref-xetex-bidi.def

```

11471 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package for
11472 \AtBeginDocument{%
11473 \def\contentsline#1#2#3#4{%
11474   \ifx\\#4\\%
11475     \csname l@#1\endcsname{#2}{#3}%
11476   \else
11477     \ifcase\Hy@linktoc % none
11478       \csname l@#1\endcsname{#2}{#3}%
11479     \or % section
11480       \csname l@#1\endcsname{%
11481         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11482       }{#3}%
11483     \or % page
11484       \csname l@#1\endcsname{#2}{#3}{%
11485         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11486       }%
11487     \else % all
11488       \csname l@#1\endcsname{%
11489         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11490       }{#3}{%
11491         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11492       }%
11493     \fi

```



```

11494 \fi
11495 }
11496 \ifHy@hyperfootnotes
11497 \let\H@@footnotetext\@footnotetext
11498 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
11499 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11500 \def\@xfootnotenext[#1]{%
11501 \begingroup
11502 \csname c@\@mpfn\endcsname #1\relax
11503 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11504 \endgroup
11505 \ifx\@footnotetext\@mpfootnotetext
11506 \expandafter\H@@mpfootnotetext
11507 \else
11508 \expandafter\H@@footnotetext
11509 \fi
11510 }%
11511 \def\@xRTLfootnotenext[#1]{%
11512 \begingroup
11513 \csname c@\@mpfn\endcsname #1\relax
11514 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11515 \endgroup
11516 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11517 \expandafter\HRTL@@mpRTLfootnotetext
11518 \else
11519 \expandafter\HRTL@@RTLfootnotetext
11520 \fi
11521 }%
11522 \def\@xLTRfootnotenext[#1]{%
11523 \begingroup
11524 \csname c@\@mpfn\endcsname #1\relax
11525 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11526 \endgroup
11527 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
11528 \expandafter\HLTR@@mpLTRfootnotetext
11529 \else
11530 \expandafter\HLTR@@LTRfootnotetext
11531 \fi
11532 }%
11533 \def\@xfootnotemark[#1]{%
11534 \begingroup
11535 \c@footnote #1\relax
11536 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11537 \endgroup
11538 \H@@footnotemark
11539 }%
11540 \let\H@@mpfootnotetext\@mpfootnotetext
11541 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11542 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11543 \long\def\@mpfootnotetext#1{%

```



```

11544 \H@@mpfootnotetext{%
11545 \ifHy@nesting
11546 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11547 \else
11548 \Hy@raisedlink{%
11549 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11550 }#1%
11551 \fi
11552 }%
11553 }%
11554 \long\def\@mpRTLfootnotetext#1{%
11555 \HRTL@mpRTLfootnotetext{%
11556 \ifHy@nesting
11557 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11558 \else
11559 \Hy@raisedlink{%
11560 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11561 }#1%
11562 \fi
11563 }%
11564 }%
11565 \long\def\@mpLTRfootnotetext#1{%
11566 \HLTR@mpLTRfootnotetext{%
11567 \ifHy@nesting
11568 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11569 \else
11570 \Hy@raisedlink{%
11571 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11572 }#1%
11573 \fi
11574 }%
11575 }%
11576 \long\def\@footnotetext#1{%
11577 \H@@footnotetext{%
11578 \ifHy@nesting
11579 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11580 \else
11581 \Hy@raisedlink{%
11582 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11583 }%
11584 \let\@currentHlabel\Hy@footnote@currentHlabel
11585 \let\@currentHref\Hy@footnote@currentHref
11586 \let\@currentlabelname\@empty
11587 }#1%
11588 \fi
11589 }%
11590 }%
11591 \long\def\@RTLfootnotetext#1{%
11592 \HRTL@RTLfootnotetext{%
11593 \ifHy@nesting

```



```

11594         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11595     \else
11596         \Hy@raisedlink{%
11597             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11598         }%
11599         \let\@currentHlabel\Hy@footnote@currentHlabel
11600         \let\@currentHref\Hy@footnote@currentHref
11601         \let\@currentlabelname\@empty
11602         #1%
11603     \fi
11604 }%
11605 }%
11606 \long\def\@LTRfootnotetext#1{%
11607     \HLTR@@LTRfootnotetext{%
11608         \ifHy@nesting
11609             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11610         \else
11611             \Hy@raisedlink{%
11612                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11613             }%
11614             \let\@currentHlabel\Hy@footnote@currentHlabel
11615             \let\@currentHref\Hy@footnote@currentHref
11616             \let\@currentlabelname\@empty
11617             #1%
11618         \fi
11619     }%
11620 }%
11621 \@ifpackageloaded{tabularx}{%
11622     \let\HyOrg@TX@endtabularx\TX@endtabularx
11623     \def\Hy@tabularx@hook{%
11624         \let\@footnotetext\H@@footnotetext
11625         \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11626         \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11627         \let\@footnotemark\H@@footnotemark
11628         \let\@mpfootnotetext\H@@mpfootnotetext
11629         \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
11630         \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
11631     }%
11632     \begingroup
11633         \toks@\expandafter{\TX@endtabularx}%
11634         \xdef\Hy@gtemp{%
11635             \noexpand\Hy@tabularx@hook
11636             \the\toks@
11637         }%
11638     \endgroup
11639     \let\TX@endtabularx\Hy@gtemp
11640 }{%
11641     \@ifpackageloaded{longtable}{%
11642         \CheckCommand*{\LT@p@LTRfnttext}[1]{%
11643             \edef\@tempa{%

```





```

11644     \the\LT@p@ftn
11645     \noexpand\LTRfootnotetext[\the\c@footnote]%
11646   }%
11647   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11648 }%
11649 \long\def\LT@p@LTRftntext#1{%
11650   \edef\@tempa{%
11651     \the\LT@p@ftn
11652     \begingroup
11653       \noexpand\c@footnote=\the\c@footnote\relax
11654       \noexpand\protected@xdef\noexpand\@thefnmark{%
11655         \noexpand\thempfn
11656       }%
11657       \noexpand\Hy@LT@LTRfootnotetext{%
11658         \Hy@footnote@currentHref
11659       }%
11660     }%
11661     \global\LT@p@ftn\expandafter{
11662       \@tempa{#1}%
11663     }
11664   }%
11665 }%
11666 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11667   \HLTR@@LTRfootnotetext{%
11668     \ifHy@nesting
11669       \hyper@@anchor{#1}{#2}%
11670     \else
11671       \Hy@raisedlink{%
11672         \hyper@@anchor{#1}{\relax}%
11673       }%
11674       \def\@currentHref{#1}%
11675       \let\@currentlabelname\@empty
11676       #2%
11677     \fi
11678   }%
11679 }%
11680 \CheckCommand*{\LT@p@RTLftntext}[1]{%
11681   \edef\@tempa{%
11682     \the\LT@p@ftn
11683     \noexpand\RTLfootnotetext[\the\c@footnote]%
11684   }%
11685   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11686 }%
11687 \long\def\LT@p@RTLftntext#1{%
11688   \edef\@tempa{%
11689     \the\LT@p@ftn
11690     \begingroup
11691       \noexpand\c@footnote=\the\c@footnote\relax
11692       \noexpand\protected@xdef\noexpand\@thefnmark{%
11693         \noexpand\thempfn

```



```

11694         }%
11695         \noexpand\Hy@LT@RTLfootnotetext{%
11696             \Hy@footnote@currentHref
11697         }%
11698     }%
11699     \global\LT@p@ftn\expandafter{%
11700         \@tempa{#1}%
11701     \endgroup
11702     }%
11703 }%
11704 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11705     \HRTL@RTLfootnotetext{%
11706         \ifHy@nesting
11707             \hyper@@anchor{#1}{#2}%
11708         \else
11709             \Hy@raisedlink{%
11710                 \hyper@@anchor{#1}{\relax}%
11711             }%
11712             \def\@currentHref{#1}%
11713             \let\@currentlabelname\@empty
11714             #2%
11715         \fi
11716     }%
11717 }%
11718 }{}%
11719 \@ifpackageloaded{bidipoem}{%
11720 \long\def\bidipoem@p@ftntext#1{%
11721     \edef\@tempx{%
11722         \the\bidipoem@p@ftn
11723     \begingroup
11724     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11725     \noexpand\protected@xdef\noexpand\@thefnmark{%
11726         \noexpand\thempfn
11727     }%
11728     \noexpand\Hy@bidipoem@footnotetext{%
11729         \Hy@footnote@currentHref
11730     }%
11731 }%
11732 \global\bidipoem@p@ftn\expandafter{%
11733     \@tempx{#1}%
11734 \endgroup
11735 }%
11736 }%
11737 \long\def\Hy@bidipoem@footnotetext#1#2{%
11738     \H@footnotetext{%
11739         \ifHy@nesting
11740             \hyper@@anchor{#1}{#2}%
11741         \else
11742             \Hy@raisedlink{%
11743                 \hyper@@anchor{#1}{\relax}%

```



```

11744     }%
11745     \def\@currentHref{#1}%
11746     \let\@currentlabelname\@empty
11747     #2%
11748     \fi
11749   }%
11750 }%
11751   \long\def\bidipoem@p@LTRftntext#1{%
11752   \edef\@tempxi{%
11753     \the\bidipoem@p@ftn
11754     \begingroup
11755     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11756     \noexpand\protected\@xdef\noexpand\@thefnmark{%
11757       \noexpand\thempfn
11758     }%
11759     \noexpand\Hy@bidipoem@LTRfootnotetext{%
11760       \Hy@footnote@currentHref
11761     }%
11762   }%
11763   \global\bidipoem@p@ftn\expandafter{%
11764     \@tempxi{#1}%
11765   \endgroup
11766   }%
11767 }%
11768 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11769   \HLTR@LTRfootnotetext{%
11770     \ifHy@nesting
11771       \hyper@@anchor{#1}{#2}%
11772     \else
11773       \Hy@raisedlink{%
11774         \hyper@@anchor{#1}{\relax}%
11775       }%
11776       \def\@currentHref{#1}%
11777       \let\@currentlabelname\@empty
11778       #2%
11779     \fi
11780   }%
11781 }%
11782   \long\def\bidipoem@p@RTLftntext#1{%
11783   \edef\@tempxii{%
11784     \the\bidipoem@p@ftn
11785     \begingroup
11786     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11787     \noexpand\protected\@xdef\noexpand\@thefnmark{%
11788       \noexpand\thempfn
11789     }%
11790     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11791       \Hy@footnote@currentHref
11792     }%
11793   }%

```



```

11794     \global\bidipoem@p@ftn\expandafter{%
11795         \@tempxi{#1}%
11796     \endgroup
11797 }%
11798 }%
11799 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11800     \HRTL@RTLfootnotetext{%
11801         \ifHy@nesting
11802             \hyper@@anchor{#1}{#2}%
11803         \else
11804             \Hy@raisedlink{%
11805                 \hyper@@anchor{#1}{\relax}%
11806             }%
11807             \def\@currentHref{#1}%
11808             \let\@currentlabelname\@empty
11809             #2%
11810         \fi
11811     }%
11812 }%
11813 }{}%
11814 \let\HyOrg@maketitle\maketitle
11815 \def\maketitle{%
11816     \let\Hy@saved@footnotemark\@footnotemark
11817     \let\Hy@saved@footnotetext\@footnotetext
11818     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11819     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11820     \let\@footnotemark\H@@footnotemark
11821     \let\@footnotetext\H@@footnotetext
11822     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11823     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
11824     \@ifnextchar[\Hy@maketitle@optarg{% ]
11825         \HyOrg@maketitle
11826         \Hy@maketitle@end
11827     }%
11828 }%
11829 \def\Hy@maketitle@optarg[#1]{%
11830     \HyOrg@maketitle[{#1}]%
11831     \Hy@maketitle@end
11832 }%
11833 \def\Hy@maketitle@end{%
11834     \ifx\@footnotemark\H@@footnotemark
11835         \let\@footnotemark\Hy@saved@footnotemark
11836     \fi
11837     \ifx\@footnotetext\H@@footnotetext
11838         \let\@footnotetext\Hy@saved@footnotetext
11839     \fi
11840     \ifx\@RTLfootnotetext\HRTL@RTLfootnotetext
11841         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11842     \fi
11843     \ifx\@LTRfootnotetext\HLTR@LTRfootnotetext

```



```

11844     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11845     \fi
11846   }%
11847   \def\realfootnote{%
11848     \@ifnextchar[\@xfootnote{%
11849       \stepcounter{\@mpfn}%
11850       \protected@xdef\@thefnmark{\thempfn}%
11851       \H@@footnotemark\H@@footnotetext
11852     }%
11853   }%
11854   \fi
11855   \def\Hy@BeginAnnot#1{%
11856     \ifmmode\else\beginL\fi%
11857     \stepcounter{Hy@AnnotLevel}%
11858     \ifnum\value{Hy@AnnotLevel}=\@ne
11859       #1%
11860     \fi
11861   }
11862   \def\Hy@EndAnnot{%
11863     \ifnum\value{Hy@AnnotLevel}=\@ne
11864       \Hy@endcolorlink
11865       \@pdfm@mark{eann}%
11866     \fi
11867     \addtocounter{Hy@AnnotLevel}\m@ne
11868     \ifmmode\else\endL\fi%
11869   }
11870   \def\hyper@link#1#2#3{%
11871     \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\H
11872   }
11873   \def\hyper@linkfile#1#2#3{%
11874     \leavevmode
11875     \Hy@BeginAnnot{%
11876       \def\Hy@pstringF{#2}%
11877       \Hy@CleanupFile\Hy@pstringF
11878       \Hy@pstringdef\Hy@pstringF\Hy@pstringF
11879       \Hy@pstringdef\Hy@pstringD{#3}%
11880       \Hy@MakeRemoteAction
11881       \@pdfm@mark{%
11882         bann<<%
11883         /Type/Annot%
11884         /Subtype/Link%
11885         \ifHy@pdfa /F 4\fi
11886         \Hy@setpdfborder
11887         \ifx\@filebordercolor\relax
11888         \else
11889           /C[\@filebordercolor]%
11890         \fi
11891         /A<<%
11892         /S/GoToR%
11893         /F(\Hy@pstringF)%

```



```

11894         /D%
11895         \ifx\\#3\\%
11896             [\Hy@href@page\@pdfremotestartview]%
11897         \else
11898             (\Hy@pstringD)%
11899         \fi
11900         \Hy@SetNewWindow
11901         \Hy@href@nextactionraw
11902     >>%
11903 >>%
11904 }%
11905 \Hy@colorlink\@filecolor
11906 }%
11907 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11908 \Hy@EndAnnot
11909 }
11910 \def\@hyper@launch run:#1\\#2#3{% filename, anchor text linkname
11911 \leavevmode
11912 \Hy@BeginAnnot{%
11913     \Hy@pstringdef\Hy@pstringF{#1}%
11914     \Hy@pstringdef\Hy@pstringP{#3}%
11915     \@pdfm@mark{%
11916         bann<<%
11917         /Type/Annot%
11918         /Subtype/Link%
11919         \ifHy@pdfa /F 4\fi
11920         \Hy@setpdfborder
11921         \ifx\@runbordercolor\relax
11922         \else
11923             /C[\@runbordercolor]%
11924         \fi
11925         /A<<%
11926         /F(\Hy@pstringF)%
11927         /S/Launch%
11928         \Hy@SetNewWindow
11929         \ifx\\#3\\%
11930         \else
11931             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
11932         \fi
11933         \Hy@href@nextactionraw
11934     >>%
11935 >>%
11936 }%
11937 \Hy@colorlink\@runcolor
11938 }%
11939 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11940 \Hy@EndAnnot
11941 }
11942 \def\hyper@linkurl#1#2{%
11943 \leavevmode

```



```

11944 \Hy@BeginAnnot{%
11945   \Hy@pstringdef\Hy@pstringURI{#2}%
11946   \@pdfm@mark{%
11947     bann<<%
11948     /Type/Annot%
11949     /Subtype/Link%
11950     \ifHy@pdfa /F 4\fi
11951     \Hy@setpdfborder
11952     \ifx\@urlbordercolor\relax
11953     \else
11954       /C[\@urlbordercolor]%
11955     \fi
11956     /A<<%
11957     /S/URI%
11958     /URI(\Hy@pstringURI)%
11959     \ifHy@href@ismap
11960       /IsMap true%
11961     \fi
11962     \Hy@href@nextactionraw
11963     >>%
11964     >>%
11965   }%
11966   \Hy@colorlink\@urlcolor
11967 }%
11968 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11969 \Hy@EndAnnot
11970 }
11971 \def\Acrobatmenu#1#2{%
11972   \Hy@Acrobatmenu{#1}{#2}%
11973   \Hy@BeginAnnot{%
11974     \EdefEscapeName\Hy@temp@menu{#1}%
11975     \@pdfm@mark{%
11976       bann<<%
11977       /Type/Annot%
11978       /Subtype/Link%
11979       \ifHy@pdfa /F 4\fi
11980       \Hy@setpdfborder
11981       \ifx\@menubordercolor\relax
11982       \else
11983         /C[\@menubordercolor]%
11984       \fi
11985       /A<<%
11986       /S/Named%
11987       /N/\Hy@temp@menu
11988       \Hy@href@nextactionraw
11989       >>%
11990       >>%
11991     }%
11992     \Hy@colorlink\@menucolor
11993   }%

```



```

11994 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11995 \Hy@endAnnot
11996 }%
11997 }
11998 \def\hyper@natlinkstart#1{%
11999 \Hy@backout{#1}%
12000 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12001 \def\hyper@nat@current{#1}%
12002 }
12003 \def\hyper@natlinkend{%
12004 \if@RTL\endR\fi\hyper@linkend
12005 }
12006 \def\hyper@natlinkbreak#1#2{%
12007 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12008 }%
12009 }
12010 \pdfstringdefDisableCommands{%
12011 \let\LRE\@firstofone
12012 \let\LR\@firstofone
12013 \let\RLE\@firstofone
12014 \let\RL\@firstofone
12015 \def\XeTeX{Xe\TeX}
12016 \def\XeLaTeX{Xe\LaTeX}
12017 }
12018 \@ifpackageloaded{longtable}{%
12019 \begingroup
12020 \def\y{\LT@array}%
12021 \@ifundefined{scr@LT@array}{%
12022 \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}}%
12023 }\def\y{\scr@LT@array}}%
12024 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12025 \expandafter\endgroup
12026 \expandafter\def\y[##1]##2{%
12027 \H@refstepcounter{#1}%
12028 \hyper@makecurrent{table}%
12029 \let\Hy@LT@currentHref\@currentHref
12030 #2\@sharp####4%
12031 }%
12032 }%
12033 \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
12034 \begingroup
12035 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12036 \endgroup
12037 \def\LT@start{%
12038 #1%
12039 \ifvoid\LT@foot#2\fi
12040 \let\@currentHref\Hy@LT@currentHref
12041 \Hy@raisedlink{%
12042 \hyper@anchorstart{\@currentHref}\hyper@anchorend
12043 }%

```





```

12044         #3%
12045     }%
12046 }%
12047 \expandafter\x\LT@start\@nil
12048 }{}

```

## 7.70 leqno-xetex-bidi.def

```

12049 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
12050 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12051         \rlap{
12052         \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\.

```

## 7.71 letter-xetex-bidi.def

```

12053 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class
12054 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
12055 \thispagestyle{firstpage}%
12056 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12057 \else % home address
12058 \thispagestyle{empty}%
12059 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@
12060 \fromaddress \*[2\parskip]%
12061 \@date \end{tabular}\par}%
12062 \fi
12063 \vspace{2\parskip}%
12064 {\if@RTL\raggedleft\else\raggedright\fi \toname \[2\parskip] \toaddress \par}%
12065 \vspace{2\parskip}%
12066 #1\par\nobreak}
12067 \renewcommand\left@footnoterule{%
12068 \kern-\p@
12069 \hrule \@width .4\columnwidth
12070 \kern .6\p@}
12071 \renewcommand\right@footnoterule{%
12072 \kern-\p@
12073 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12074 \kern .6\p@}

```

## 7.72 lettrine-xetex-bidi.def

```

12075 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package fo
12076 \def\@lettrine[#1]#2#3{%
12077 \setcounter{L@lines}{\theDefaultLines}%
12078 \setcounter{L@depth}{\theDefaultDepth}%
12079 \renewcommand*{\L@hang}{\DefaultLhang}%
12080 \renewcommand*{\L@oversize}{\DefaultLoversize}%
12081 \renewcommand*{\L@raise}{\DefaultLraise}%
12082 \renewcommand*{\L@ante}{}%
12083 \setlength{\L@Findent}{\DefaultFindent}%
12084 \setlength{\L@Nindent}{\DefaultNindent}%
12085 \setlength{\L@slope}{\DefaultSlope}%
12086 \setlength{\L@novskip}{\DiscardVskip}%

```



```

12087 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12088 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12089 \if\DefaultOptionsFile\relax
12090 \else
12091 \begingroup
12092 \InputIfFileExists{\DefaultOptionsFile}%
12093 {}%
12094 {\PackageWarning{lettrine.sty}%
12095 {File \DefaultOptionsFile\space not found}%
12096 }%
12097 \def\color##1##{\l@color{##1}}%
12098 \let\l@color\@gobbletwo
12099 \def\textcolor##1##{\l@textcolor{##1}}%
12100 \def\l@textcolor##1##2##3{##3}%
12101 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12102 \gdef\l@L@Keys{}%
12103 \else
12104 \xdef\l@L@Keys{\csname l@#2-keys\endcsname}%
12105 \fi
12106 \endgroup
12107 \def\KV@prefix{KV@L@}%
12108 \let\@tempc\relax
12109 \expandafter\KV@do\l@L@Keys,\relax,
12110 \sbox{\L@lbox}{\LettrineFont #2}%
12111 \setlength{\LettrineWidth}{\wd\L@lbox}%
12112 \def\KV@prefix{KV@L@}%
12113 \let\@tempc\relax
12114 \expandafter\KV@do\l@L@Keys,\relax,
12115 \fi
12116 \setkeys{L}{#1}%
12117 \ifL@image
12118 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12119 \else
12120 \sbox{\L@lbox}{\LettrineFont #2}%
12121 \fi
12122 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12123 \@tempdima=\baselineskip
12124 \ifnum\theL@lines=1
12125 \setlength{\L@first}{\ht\L@lbox}%
12126 \addtolength{\L@first}{-\ht\L@tbox}%
12127 \setlength{\L@lraise}{\z@}%
12128 \else
12129 \setlength{\L@first}{-\theL@lines\@tempdima}%
12130 \addtolength{\L@first}{\@tempdima}%
12131 \sbox{\@tempboxa}{\LettrineTextFont x}%
12132 \addtolength{\L@first}{-\ht\@tempboxa}%
12133 \setlength{\L@lraise}{-\L@raise\L@first}%
12134 \addtolength{\L@first}{\L@lraise}%
12135 \addtolength{\L@first}{\ht\L@lbox}%
12136 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%

```



```

12137     \addtolength{\L@lraise}{\@tempdima}%
12138   \fi
12139   \par
12140   \ifdim\L@first>\L@novskip
12141     \ifL@grid
12142       \@tempdima=\baselineskip
12143       \@tempdimb=\@tempdima
12144       \advance\@tempdimb by \L@novskip
12145       \@tempcnta=1
12146       \loop\ifdim\L@first>\@tempdimb
12147         \advance\@tempcnta by 1
12148         \advance\L@first by -\@tempdima
12149       \repeat
12150       \vskip\@tempcnta\baselineskip
12151     \else
12152       \vskip\L@first
12153     \fi
12154   \fi
12155   \setlength{\L@Pindent}{\wd\L@lbox}%
12156   \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12157   \settowidth{\L@first}{\L@ante}%
12158   \addtolength{\L@Pindent}{\L@first}%
12159   \addtolength{\L@Pindent}{\L@Findent}%
12160   \setlength{\L@first}{\linewidth}%
12161   \addtolength{\L@first}{-\L@Pindent}%
12162   \addtolength{\L@Nindent}{\L@Pindent}%
12163   \setlength{\L@next}{\linewidth}%
12164   \addtolength{\L@next}{-\L@Nindent}%
12165   \addtolength{\L@Pindent}{\rightmargin}%
12166   \addtolength{\L@Nindent}{\rightmargin}%
12167   \setlength{\LettrineWidth}{\wd\L@lbox}%
12168   \setlength{\LettrineHeight}{\ht\L@lbox}%
12169   \setlength{\LettrineDepth}{\dp\L@lbox}%
12170   \addtocounter{L@lines}{1}%
12171   \addtocounter{L@lines}{\the\c@L@depth}%
12172   \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pir
12173   \@tempcnta=\tw@
12174   \@whilenum \@tempcnta<\c@L@lines\do{%
12175     \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\
12176     \addtolength{\L@Nindent}{\L@slope}%
12177     \addtolength{\L@next}{-\L@slope}%
12178     \advance\@tempcnta\@ne}%
12179   \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
12180   \noindent
12181   \parshape=\L@parshape\relax
12182   \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12183     \hskip \the\L@Findent}}%
12184   \usebox{\L@tbox}%
12185 }

```



## 7.73 listings-xetex-bidi.def

```

12186 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package for
12187 \lst@Key{captiondirection}{textdirection}{%
12188   \lstKV@SwitchCases{#1}%
12189   {textdirection&\\%
12190     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12191     LTR&\chardef\bidi@lst@caption@direction\z@%
12192   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12193
12194 \lst@Key{captionscript}{textscript}{%
12195   \lstKV@SwitchCases{#1}%
12196   {textscript&\\%
12197     latin&\chardef\bidi@lst@caption@script\@ne\\%
12198     nonlatin&\chardef\bidi@lst@caption@script\z@%
12199   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12200
12201 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12202   \@ifundefined{bidi@lst@caption@direction}{}{%
12203     \ifnum\bidi@lst@caption@direction=\z@%
12204       #1%
12205     \else%
12206       \ifnum\bidi@lst@caption@direction=\@ne%
12207         #2%
12208       \fi%
12209     \fi%
12210   }}
12211
12212 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
12213   \@ifundefined{bidi@lst@caption@script}{}{%
12214     \ifnum\bidi@lst@caption@script=\z@%
12215       #1%
12216     \else%
12217       \ifnum\bidi@lst@caption@script=\@ne%
12218         #2%
12219       \fi%
12220     \fi%
12221   }}
12222
12223 \long\def\@bidi@lst@makecaption#1#2{%
12224   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12225   \vskip\abovcaptionskip
12226   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12227   \sbox\@tempboxa{%
12228     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12229     #1: #2%
12230     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12231   }%
12232   \ifdim \wd\@tempboxa >\hsize
12233     #1: #2\par

```



```

12234 \else
12235 \global \@minipagefalse
12236 \hb@xt@ \hsize {\hfil \box \@tempboxa \hfil}%
12237 \fi
12238 \vskip \belowcaptionskip}%
12239 \def \lst@makecaption {\@bidi@lst@makecaption}
12240 \def \lst@maketitle {\@bidi@lst@makecaption \lst@title@dropdelim}
12241 \bidi@AtEndPreamble{%
12242 \bidi@patchcmd {\lst@MakeCaption} {%
12243 \ifx #1%
12244 \ifx \lst@@caption \@empty \expandafter \lst@HRefStepCounter \else
12245 \expandafter \refstepcounter
12246 \fi { \lstlisting}%
12247 } {%
12248 \ifx #1%
12249 \bidi@lst@ensure@caption@direction {\@RTLfalse} {\@RTLtrue}%
12250 \ifx \lst@@caption \@empty \expandafter \lst@HRefStepCounter \else
12251 \expandafter \refstepcounter
12252 \fi { \lstlisting}%
12253 \bidi@lst@ensure@caption@direction {\@RTLfalse} {\@RTLfalse}%
12254 } {}}%
12255 \bidi@patchcmd {\lst@MakeCaption} {%
12256 \addcontentsline {lol} { \lstlisting}%
12257 {\protect \numberline {\thelstlisting} \lst@@caption}%
12258 } {%
12259 \begingroup%
12260 \bidi@lst@ensure@caption@direction {\@RTLfalse} {\@RTLtrue}%
12261 \addcontentsline {lol} { \lstlisting}%
12262 {\protect \numberline {\thelstlisting} \lst@@caption}%
12263 \endgroup%
12264 } {}}%
12265 }
12266 \@ifpackageloaded {caption} {%
12267 \AtBeginCaption {%
12268 \bidi@lst@ensure@caption@script {\@nonlatintrue} {\@nonlatinfalse}%
12269 \bidi@lst@ensure@caption@direction {\@RTLfalse} {\@RTLtrue}%
12270 }
12271 \let \bidi@lst@makecaption \caption@makecaption%
12272 \def \lst@makecaption {\caption@starfalse \bidi@lst@makecaption}%
12273 \def \lst@maketitle {\caption@startrue \bidi@lst@makecaption \@empty}%
12274 } {%
12275 \AtBeginDocument {%
12276 \@ifundefined {captionlabelfalse} {} {%
12277 \def \lst@maketitle {\captionlabelfalse \bidi@lst@makecaption \@empty}}%
12278 \@ifundefined {caption@startrue} {} {%
12279 \def \lst@maketitle {\caption@startrue \bidi@lst@makecaption \@empty}}%
12280 }%
12281 }
12282 \AtBeginDocument {
12283 \@ifundefined {thechapter} {\let \lst@ifnumberbychapter \iffalse} {}

```



```

12284 \lst@ifnumberbychapter
12285     \gdef\thelstlisting%
12286         {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12287 \else
12288     \gdef\thelstlisting{\@arabic\c@lstlisting}
12289 \fi}

```

## 7.74 loadingorder-xetex-bidi.def

```

12290 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
12291 \bidi@isloaded{amsmath}
12292 \bidi@isloaded{amstext}
12293 \bidi@isloaded{amsthm}
12294 \bidi@isloaded{animate}
12295 \bidi@isloaded{breqn}
12296 \bidi@isloaded{cals}
12297 \bidi@isloaded{caption}
12298 \bidi@isloaded{crop}
12299 \bidi@isloaded{cuted}
12300 \bidi@isloaded{cutwin}
12301 \bidi@isloaded{color}
12302 \bidi@isloaded{dblfnote}
12303 \bidi@isloaded{xcolor}
12304 \bidi@isloaded{colortbl}
12305 \bidi@isloaded{float}
12306 \bidi@isloaded{floatrow}
12307 \bidi@isloaded{flowfram}
12308 \bidi@isloaded{framed}
12309 \bidi@isloaded{ftnright}
12310 \bidi@isloaded{xltextra}
12311 \bidi@isloaded{xunicode}
12312 \bidi@isloaded{wrapfig}
12313 \bidi@isloaded{graphicx}
12314 \bidi@isloaded{geometry}
12315 \bidi@isloaded{hvfloat}
12316 \bidi@isloaded{mdframed}
12317 \bidi@isloaded{midfloat}
12318 \bidi@isloaded{ntheorem}
12319 \bidi@isloaded{ntheorem-hyper}
12320 \bidi@isloaded{hyperref}
12321 \bidi@isloaded{fancybox}
12322 \bidi@isloaded{fancyhdr}
12323 \bidi@isloaded{fix2col}
12324 \bidi@isloaded{draftwatermark}
12325 \bidi@isloaded{empheq}
12326 \bidi@isloaded{overpic}
12327 \bidi@isloaded{pdfpages}
12328 \bidi@isloaded{listings}
12329 \bidi@isloaded{lettrine}
12330 \bidi@isloaded{media9}

```



```

12331 \bidi@isloaded{pstricks}
12332 \bidi@isloaded{pgf}
12333 \bidi@isloaded{picinpar}
12334 \bidi@isloaded{quotchap}
12335 \bidi@isloaded{tikz}
12336 \bidi@isloaded{titlesec}
12337 \bidi@isloaded{titletoc}
12338 \bidi@isloaded{array}
12339 \bidi@isloaded{soul}
12340 \bidi@isloaded{stabular}
12341 \bidi@isloaded{subfig}
12342 \bidi@isloaded{subfigure}
12343 \bidi@isloaded{supertabular}
12344 \bidi@isloaded{xtab}
12345 \bidi@isloaded{longtable}
12346 \bidi@isloaded{arydshln}
12347 \bidi@isloaded{multicol}
12348 \bidi@isloaded{multienum}
12349 \bidi@isloaded{minitoc}
12350 \bidi@isloaded{natbib}
12351 \bidi@isloaded{newfloat}
12352 \bidi@isloaded{ragged2e}
12353 \bidi@isloaded{rotating}
12354 \bidi@isloaded{tabls}
12355 \bidi@isloaded{tabulary}
12356 \bidi@isloaded{tocbasic}
12357 \bidi@isloaded{tocstyle}
12358 \bidi@isloaded{tocbibind}
12359 \bidi@isloaded{fontspec}
12360 \bidi@isloaded{arabxetex}
12361 \bidi@isloaded{polyglossia}
12362 \bidi@isloaded{fancyvrb}
12363 \AtBeginDocument{
12364   \if@bidi@amsmathloaded@else
12365     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
12366   \fi%
12367   \if@bidi@amstextloaded@else
12368     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
12369   \fi%
12370   \if@bidi@amsthmloaded@else
12371     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. P
12372   \fi%
12373   \if@bidi@animateloaded@else
12374     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package. P
12375   \fi%
12376   \if@bidi@breqnloaded@else
12377     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Pl
12378   \fi%
12379   \if@bidi@calsloaded@else
12380     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Ple

```



```

12381 \fi%
12382 \if@bidi@captionloaded@else
12383 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
12384 \fi%
12385 \if@bidi@croploaded@else
12386 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Ple
12387 \fi%
12388 \if@bidi@colorloaded@else
12389 \ifpackageloaded{hyperref}{}%
12390 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. PL
12391 \fi%
12392 \if@bidi@cutwinloaded@else
12393 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. P
12394 \fi%
12395 \if@bidi@cutedloaded@else
12396 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. PL
12397 \fi%
12398 \if@bidi@dblfnloaded@else
12399 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
12400 \fi%
12401 \if@bidi@xcolorloaded@else
12402 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. P
12403 \fi%
12404 \if@bidi@colortblloaded@else
12405 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
12406 \fi%
12407 \if@bidi@floatloaded@else
12408 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. PL
12409 \fi%
12410 \if@bidi@floatrowloaded@else
12411 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
12412 \fi%
12413 \if@bidi@flowframloaded@else
12414 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
12415 \fi%
12416 \if@bidi@framedloaded@else
12417 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. P
12418 \fi%
12419 \if@bidi@ftnrightloaded@else
12420 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
12421 \fi%
12422 \if@bidi@xltxtraloaded@else
12423 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package.
12424 \fi%
12425 \if@bidi@xunicodeloaded@else
12426 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
12427 \fi%
12428 \if@bidi@wrapfigloaded@else
12429 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package.
12430 \fi%

```





```

12431 \if@bidi@graphicxloaded@else
12432 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
12433 \fi%
12434 \if@bidi@geometryloaded@else
12435 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
12436 \fi%
12437 \if@bidi@hvfloatloaded@else
12438 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package.
12439 \fi%
12440 \if@bidi@mdframedloaded@else
12441 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
12442 \fi%
12443 \if@bidi@midfloatloaded@else
12444 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
12445 \fi%
12446 \if@bidi@ntheoremloaded@else
12447 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
12448 \fi%
12449 \if@bidi@hyperrefloaded@else
12450 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
12451 \fi%
12452 \if@bidi@fancyboxloaded@else
12453 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
12454 \fi%
12455 \if@bidi@fancyhdrloaded@else
12456 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
12457 \fi%
12458 \if@bidi@draftwatermarkloaded@else
12459 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
12460 \fi%
12461 \if@bidi@empheqlloaded@else
12462 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. P
12463 \fi%
12464 \if@bidi@overpicloaded@else
12465 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package.
12466 \fi%
12467 \if@bidi@pdfpagesloaded@else
12468 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
12469 \fi%
12470 \if@bidi@lettrineloaded@else
12471 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
12472 \fi%
12473 \if@bidi@listingsloaded@else
12474 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
12475 \fi%
12476 \csname if@bidi@media9loaded@endcsname\else
12477 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package. P
12478 \fi%
12479 \if@bidi@pstricksloaded@else
12480 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.

```



```

12481 \fi%
12482 \if@bidi@pgfloaded@else
12483 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Please
12484 \fi%
12485 \if@bidi@picinparloaded@else
12486 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
12487 \fi%
12488 \if@bidi@quotchaploaded@else
12489 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
12490 \fi%
12491 \if@bidi@tikzloaded@else
12492 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Please
12493 \fi%
12494 \if@bidi@titlesecloaded@else
12495 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
12496 \fi%
12497 \if@bidi@titletocloaded@else
12498 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
12499 \fi%
12500 \if@bidi@arrayloaded@else
12501 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Please
12502 \fi%
12503 \if@bidi@stabularloaded@else
12504 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
12505 \fi%
12506 \if@bidi@soulloaded@else
12507 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Please
12508 \fi%
12509 \if@bidi@subfigloaded@else
12510 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. Please
12511 \fi%
12512 \if@bidi@subfigureloaded@else
12513 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package.
12514 \fi%
12515 \if@bidi@supertabularloaded@else
12516 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
12517 \fi%
12518 \if@bidi@xtabloaded@else
12519 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Please
12520 \fi%
12521 \if@bidi@longtableloaded@else
12522 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package.
12523 \fi%
12524 \if@bidi@arydshlnloaded@else
12525 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
12526 \fi%
12527 \if@bidi@multicolloaded@else
12528 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
12529 \fi%
12530 \if@bidi@multienumloaded@else

```



```

12531 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package. P
12532 \fi%
12533 \if@bidi@minitocloaded@else
12534 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. P
12535 \fi%
12536 \if@bidi@natbibloaded@else
12537 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. P
12538 \fi%
12539 \if@bidi@newfloatloaded@else
12540 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package. P
12541 \fi%
12542 \csname if@bidi@ragged2eloaded@endcsname\else
12543 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package. P
12544 \fi%
12545 \if@bidi@rotatingloaded@else
12546 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package. P
12547 \fi%
12548 \if@bidi@tablsloaded@else
12549 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabls after bidi package. P
12550 \fi%
12551 \if@bidi@tabularyloaded@else
12552 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package. P
12553 \fi%
12554 \if@bidi@tocbasicloaded@else
12555 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi package. P
12556 \fi%
12557 \if@bidi@tocstyleloaded@else
12558 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package. P
12559 \fi%
12560 \if@bidi@tocbibindloaded@else
12561 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package. P
12562 \fi%
12563 \if@bidi@fontspecloaded@else
12564 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package. P
12565 \fi%
12566 \if@bidi@arabxetexloaded@else
12567 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package. P
12568 \fi%
12569 \if@bidi@polyglossialoaded@else
12570 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
12571 \fi%
12572 \if@bidi@fancyvrbloaded@else
12573 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package. P
12574 \fi%
12575 }

```

## 7.75 longtable-xetex-bidi.def

```

12576 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
12577 \def\LT@array[#1]#2{%

```



```

12578 \refstepcounter{table}\stepcounter{LT@tables}%
12579 \if l#1%
12580   \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
12581 \else\if r#1%
12582   \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
12583 \else\if c#1%
12584   \LTleft\fill \LTright\fill
12585 \fi\fi\fi
12586 \let\LT@mc\multicolumn
12587 \let\LT@@tabarray\@tabarray
12588 \let\LT@chl\hline
12589 \def\@tabarray{%
12590   \let\hline\LT@chl
12591   \LT@@tabarray}%
12592 \let\\LT@tabularcr\let\tabularnewline\\
12593 \def\newpage{\noalign{\break}}%
12594 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
12595 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
12596 \let\hline\LT@chl \let\kill\LT@kill\let\caption\LT@caption
12597 \@tempdima\ht\strutbox
12598 \let\@endpbox\LT@endpbox
12599 \ifx\extrarowheight\@undefined
12600   \let\@acol\@tabacol
12601   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12602   \def\@startpbox{\vtop\LT@startpbox}%
12603   \let\@startpbox\@startpbox
12604   \let\@endpbox\@endpbox
12605   \let\LT@LL@FM@cr\@tabularcr
12606 \else
12607   \advance\@tempdima\extrarowheight
12608   \col@sep\tabcolsep
12609   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12610 \fi
12611 \setbox\@arstrutbox\hbox{\vrule
12612   \@height \arraystretch \@tempdima
12613   \@depth \arraystretch \dp \strutbox
12614   \@width \z@}%
12615 \let\@sharp#\let\protect\relax
12616 \begingroup
12617   \@mkpream{#2}%
12618   \xdef\LT@bchunk{%
12619     \global\advance\c@LT@chunks\@ne
12620     \global\LT@rows\z@\setbox\z@\vbox\bgroup
12621     \LT@setprevdepth
12622     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12623     \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
12624 \endgroup
12625 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12626 \LT@make@row
12627 \m@th\let\par\@empty

```



```

12628 \everycr{\lineskip\z@ \baselineskip\z@
12629 \LT@bchunk}
12630 \def\LT@makecaption#1#2#3{%
12631 \LT@mc@l\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
12632 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12633 \ifdim\wd\@tempboxa>\hsize
12634 #1{#2: }#3%
12635 \else
12636 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
12637 \fi
12638 \endgraf\vskip\baselineskip}%
12639 \hss}}
12640 \ifpackageloaded{caption}{%
12641 \renewcommand\LT@makecaption[3]{%
12642 \caption@LT@make{%
12643 \caption@settype*\LTcaptype
12644 \ifdim\LTcapwidth=4in \else
12645 \setcaptionwidth\LTcapwidth
12646 \fi
12647 \caption@setoptions{longtable}%
12648 \caption@setoptions{@longtable}%
12649 \caption@LT@setup
12650 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
12651 \caption@startrue#1\caption@starfalse
12652 \caption@prepare@stepcounter\LTcaptype{LT}%
12653 \caption@begin\LTcaptype
12654 \caption@normalsize
12655 \vskip-\ht\strutbox
12656 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
12657 \caption@@make{#2}{#3}\endgraf
12658 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
12659 \caption@end}}%
12660 }{}
12661 \def\LT@startpbox#1{%
12662 \bgroup
12663 \let\@footnotetext\LT@p@ftntext
12664 \let\@LTRfootnotetext\LT@p@LTRftntext
12665 \let\@RTLfootnotetext\LT@p@RTLftntext
12666 \setlength\hsize{#1}%
12667 \@arrayparboxrestore
12668 \vrule \@height \ht\@arstrutbox \@width \z@}
12669 \def\LT@p@LTRftntext#1{%
12670 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
12671 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12672 \def\LT@p@RTLftntext#1{%
12673 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
12674 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12675
12676
12677 \def\LT@output{%

```



```

12678 \ifnum\outputpenalty <-\@Mi
12679 \ifnum\outputpenalty > -\LT@end@pen
12680 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
12681 \else
12682 \setbox\z@\vbox{\unvbox\@cclv}%
12683 \ifdim \ht\LT@lastfoot>\ht\LT@foot
12684 \dimen@ \pagegoal
12685 \advance\dimen@-\ht\LT@lastfoot
12686 \ifdim\dimen@<\ht\z@
12687 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
12688 \@makecol
12689 \@outputpage
12690 \setbox\z@\vbox{\box\LT@head}%
12691 \fi
12692 \fi
12693 \global\@colroom\@colht
12694 \global\vsizel\@colht
12695 \vbox
12696 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\vss}
12697 \fi
12698 \else
12699 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot\vss}
12700 \@makecol
12701 \@outputpage
12702 \global\vsizel\@colroom
12703 \copy\LT@head\nobreak
12704 \fi}

```

## 7.76 mdframed-xetex-bidi.def

```

12705 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for xetex]
12706 \newif\if@bidi@mdf@RTL
12707 \def\mdf@lrbox#1{%
12708 \mdf@patchamsthm\patch amsthm
12709 \if@RTL\@bidi@mdf@RTLtrue\fi%
12710 \@RTLfalse%
12711 \setbox#1\vbox\bgroup%
12712 \color@begingroup%
12713 \if@bidi@mdf@RTL\@RTLtrue\fi%
12714 \mdf@horizontalmargin@equation%
12715 \columnwidth=\hsize%
12716 \textwidth=\hsize%
12717 \let\if@nobreak\iffalse%
12718 \let\if@noskipsec\iffalse%
12719 \let\par\@par%
12720 \let\-\@dischph%
12721 \let'\@acci\let\`@accii\let\=@acciii%
12722 \parindent\z@ \parskip\z@skip%
12723 \linewidth\hsize%
12724 \@totalleftmargin\z@%

```



```

12725 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12726 \parfillskip\@flushglue \lineskip\normallineskip%
12727 \baselineskip\normalbaselineskip%
12728 %% \sloppy%
12729 \let\\\@normalcr%
12730 \mdf@par@local%New feature to restore parskip/parindent local in save box
12731 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12732 \@afterindentfalse%
12733 %\@afterheading%
12734 }
12735 \renewrobustcmd\mdfframetitleenv[1]{%
12736 \mdf@lrbox{\mdf@frametitlebox}%
12737 \mdf@frametitlealignment%
12738 \leavevmode{\color{\mdf@frametitlefontcolor}%
12739 \normalfont\mdf@frametitlefont{#1}
12740 \ifbool{mdf@ignorelastdescenders}%
12741 {%
12742 \par\strut\par
12743 \unskip\unskip\setbox0=\lastbox
12744 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12745 }-}%
12746 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
12747 \endmdf@lrbox\relax%
12748 \mdf@ignorevbadness%
12749 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12750 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12751 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12752 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12753 \mdfframetitleboxtotalheight=\dimexpr
12754 \ht\mdf@frametitlebox
12755 +\dp\mdf@frametitlebox%
12756 +\mdf@frametitleaboveskip@length
12757 +\mdf@frametitlebelowskip@length
12758 \relax%
12759 }
12760
12761 \renewrobustcmd*\mdf@footnoteoutput{%
12762 \ifvoid\@mpfootins\else%
12763 \nobreak%
12764 \vskip\mdf@footnotedistance@length%
12765 \normalcolor%
12766 \bidi@mpfootnoterule%
12767 \unvbox\@mpfootins%
12768 \fi%
12769 }
12770
12771
12772 \renewrobustcmd*\mdf@footnoteinput{%
12773 \def\@mpfn{mpfootnote}%
12774 \def\thempfn{\thempfootnote}%

```



```

12775 \c@mpfootnote\z@%
12776 \let\@footnotetext\@mpfootnotetext%
12777 \let\@LTRfootnotetext\@mpLTRfootnotetext%
12778 \let\@RTLfootnotetext\@mpRTLfootnotetext%
12779 }

```

## 7.77 bidi-media9.sty

```

12780 \ProvidesExplPackage{bidi-media9}{2016/05/03}{0.2}
12781 {bidi fixes for media9 package for the XeTeX engine}
12782
12783 \keys_define:nn{media9/mbtn}{
12784   draft .code:n = {},
12785   final .code:n = {},
12786
12787   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
12788   tooltip .value_required:n = {true},
12789
12790   overface .code:n = {
12791     \%hbox_set:Nn\l_mix_poster_box{#1}
12792     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12793     \mix_pdfxform:n{\l_mix_poster_box}
12794     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
12795   },
12796   overface .value_required:n = {true},
12797
12798   downface .code:n = {
12799     \%hbox_set:Nn\l_mix_poster_box{#1}
12800     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12801     \mix_pdfxform:n{\l_mix_poster_box}
12802     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12803   },
12804   downface .value_required:n = {true},
12805
12806   3Dgotoview .code:n = {
12807     \tl_set:Nx\l_tmpa_tl{#1} %extract ref
12808     \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl
12809     \tl_trim_spaces:N\l_tmpa_tl
12810     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12811       \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12812         \tl_set:Nx\l_tmpb_tl{#1} %extract idx
12813         \regex_replace_once:nnN{([~:]+:?)}{\1}\l_tmpb_tl
12814         \tl_trim_spaces:N\l_tmpb_tl
12815         \tl_if_blank:VF\l_tmpb_tl{
12816           \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
12817             \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
12818           }{
12819             \regex_match:nVTF{^~d+$}\l_tmpb_tl{
12820               \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
12821             }{

```





```

12822         \regex_replace_once:nnN{^\(s*\)}{\l_tmpb_tl
12823         \regex_replace_once:nnN{s*}\$}\{\l_tmpb_tl
12824         \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
12825     }
12826 }
12827 }
12828 \mix_pdfobj:nnn{}\dict){
12829     /S/JavaScript/JS~(
12830         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12831         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12832             annotRM['\l_tmpa_tl']=
12833             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12834         }
12835         annotRM['\l_tmpa_tl'].activated=true;
12836     )
12837     \tl_if_blank:VF\l_tmpb_tl{
12838         /Next~<<
12839         /S/GoTo3DView
12840         /TA~\tl_use:c{ann@\l_tmpa_tl}
12841         /V\l_mix_vidx_tl
12842     >>
12843 }
12844 }
12845 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12846 }
12847 }{
12848     \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
12849     \cs_if_exist:NF\g_mix_refundefwarned_tl{
12850         \tl_new:N\g_mix_refundefwarned_tl
12851         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12852     }
12853 }
12854 },
12855 3Dgotoview .value_required:n = {true},
12856
12857 mediacommand .code:n = {
12858     \tl_set:Nx\l_tmpa_tl{#1}
12859     \regex_replace_once:nnN{([~:]+)??.*}\{\l_tmpa_tl %extract ref
12860     \tl_trim_spaces:N\l_tmpa_tl
12861     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12862         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12863             \tl_set:Nx\l_tmpb_tl{#1}
12864             \regex_replace_once:nnN{[~:]+\?:}\{\l_tmpb_tl
12865             \tl_trim_spaces:N\l_tmpb_tl
12866             \regex_replace_all:nnN{^{\|}\$}\{\l_tmpb_tl
12867             \tl_set:Nx\l_mix_cmd_tl{
12868                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
12869             \tl_trim_spaces:N\l_mix_cmd_tl
12870             \tl_set:Nx\l_mix_arg_tl{
12871                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}

```



```

12872 \tl_trim_spaces:N\l_mix_arg_tl
12873 \mix_pdfobj:nnn{}{dict}{
12874 /S/JavaScript/JS~(
12875   if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12876   if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12877     annotRM['\l_tmpa_tl']=
12878     this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12879   }
12880   annotRM['\l_tmpa_tl'].activated=true;
12881 )
12882 \tl_if_blank:VF\l_mix_cmd_tl{
12883 /Next~<<
12884 /S/RichMediaExecute
12885 /TA~\tl_use:c{ann@\l_tmpa_tl}
12886 /TI~\tl_use:c{main@\l_tmpa_tl}
12887 /CMD~<<
12888 /C~(\l_mix_cmd_tl)
12889 \tl_if_blank:VF\l_mix_arg_tl{
12890 /A~[\l_mix_arg_tl]
12891 }
12892 >>
12893 >>
12894 }
12895 }
12896 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12897 }
12898 }{
12899 \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
12900 \cs_if_exist:NF\g_mix_refundefwarned_tl{
12901 \tl_new:N\g_mix_refundefwarned_tl
12902 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12903 }
12904 }
12905 },
12906 mediacommand .value_required:n = {true},
12907
12908 jsaction .code:n = {
12909 \tl_set:Nx\l_tmpa_tl{#1}
12910 \regex_match:nVTF{~[\^{:}+:.*$]\l_tmpa_tl{
12911 \regex_replace_once:nnN{([\^{:}+):??.*}{\1}\l_tmpa_tl %extract ref
12912 \tl_trim_spaces:N\l_tmpa_tl
12913 }{\tl_clear:N\l_tmpa_tl}
12914 \tl_set:Nx\l_tmpb_tl{#1}
12915 \tl_if_blank:VF\l_tmpa_tl{
12916 \tl_if_exist:cF{ann@\l_tmpa_tl}{
12917 \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
12918 \cs_if_exist:NF\g_mix_refundefwarned_tl{
12919 \tl_new:N\g_mix_refundefwarned_tl
12920 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12921 }

```



```

12922     }
12923     \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl
12924   }
12925   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
12926   \tl_trim_spaces:N\l_tmpb_tl
12927   \tl_if_blank:VF\l_tmpb_tl{
12928     \mix_pdfobj:nnn{}{dict}{
12929       /S/JavaScript/JS~(
12930         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
12931     \bool_if:nT{
12932       \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12933       !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
12934     }{
12935       \mix_pdfobj:nnn{}{dict}{
12936         /S/JavaScript/JS~(
12937           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12938           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12939             annotRM['\l_tmpa_tl']=
12940             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12941           }
12942           annotRM['\l_tmpa_tl'].activated=true;
12943         )
12944         \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
12945       }
12946     }
12947     \bool_if:nT{
12948       \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12949       !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}||
12950       !\tl_if_blank_p:V\l_tmpb_tl
12951     }{
12952       \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12953     }
12954   },
12955   jsaction .value_required:n = {true},
12956
12957   unknown .code:n = {
12958     \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
12959   }
12960 }
12961
12962
12963 \RenewDocumentCommand\includemedia{0{mm}}{%%#1 options, #2 text/image #3 media file
12964   \mix_uriend:
12965   \group_begin:
12966   \beginL
12967   \leavevmode
12968   %empty stream as appearance dummy
12969   \cs_if_exist:NF\g_mix_appearance_tl{
12970     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
12971     \mix_pdfxform:n{\l_mix_poster_box}

```



```

12972 \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
12973 }
12974 \mix_reset:
12975 \mix_uribegin: %treat URI characters correctly
12976 \keys_set:nn{media9/user}{#1}
12977 \mix_uriend:
12978 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
12979 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
12980 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
12981 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=}{=}
12982 \tl_gtrim_spaces:N\g_mix_flashvars_tl
12983
12984 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
12985
12986 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
12987 %\hbox_set:Nn\l_mix_poster_box{#2}
12988 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
12989 \mix_scale:n{\l_mix_poster_box}
12990 \bool_if:nT{
12991   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
12992   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
12993 }{
12994   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
12995 }
12996 \bool_if:NTF\g_mix_usrdraft_bool{
12997   \tl_if_empty:NF\g_mix_usrlabel_tl{
12998     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
12999   }
13000   \tl_if_blank:oTF{#2}{
13001     \mix_uribegin: %treat URI characters correctly
13002     \mix_draftbox:n{\tl_to_str:n{#3}}
13003     \mix_uriend:
13004   }{
13005     \hbox_to_wd:nn{\g_mix_wd_tl}{
13006       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13007       \box_use:N\l_mix_poster_box\hss
13008     }
13009   }
13010 }{
13011   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13012     %attach script that switches off play button overlay upon activation
13013     \mix_pdfobj:nnn{}{stream}{
13014       {}{
13015         var~ocgs=host.getOCGs(host.pageNum);
13016         for(var~i=0;i<ocgs.length;i++){
13017           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13018             ocgs[i].state=false;
13019           }
13020         }
13021       }
13022     }
13023   }

```



```

13022     }
13023     \mix_pdfobj:nnn{}{dict}{
13024       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13025     }
13026     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13027     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13028     %enforce plain playbutton overlay for XeTeX
13029     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13030   }
13031   %embed main asset
13032   \mix_uribegin:
13033   \mix_embedasset:n{#3}
13034   \bool_if:nTF{
13035     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13036   }{
13037     \bool_gset_true:N\g_mix_iiid_bool
13038     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13039   }{
13040     \str_case_x:nnF{\l_mix_base_tl}{
13041       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13042       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13043       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13044       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13045       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13046     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
13047   }
13048   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13049   \mix_uriend:
13050   %secondary assets (added by addresource)
13051   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13052   \seq_map_inline:Nn\g_mix_script_seq{
13053     \mix_embedasset:n{##1}
13054     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13055   }
13056   %attach 3D calculation script
13057   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13058     \mix_embedasset:n{3Dmenu.js}
13059     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13060   }
13061   %create 3D views from file (option 3Dviews)
13062   \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13063     \tl_set:Nn\l_mix_level_tl{c_minus_one}
13064     \int_zero:N\l_mix_viewcnt_int
13065     \int_zero:N\l_mix_lineno_int
13066
13067     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13068     \ior_map_inline:Nn\l_mix_vfile_stream{
13069       \int_incr:N\l_mix_lineno_int
13070       \keys_set:nn{media9/views}{##1} %process input line
13071     }

```



```

13072     \ior_close:N\l_mix_vfile_stream
13073 }
13074 \bool_if:nT{ %create default 3D view if required
13075     \g_mix_iiid_bool &&
13076     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13077 }{
13078     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13079     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13080     \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13081     \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13082     \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13083     \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13084     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13085
13086     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13087     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13088     \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13089     \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13090
13091     \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13092     \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13093     \tl_clear:N\l_mix_naarray_tl
13094
13095     \bool_if:NF\l_mix_ciiw_bool{
13096         \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13097         \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13098     }
13099
13100     \tl_clear:N\l_mix_naarray_tl
13101     \tl_clear:N\l_mix_saarray_tl
13102     \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13103
13104     \mix_view:n{Default}
13105     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13106
13107 }
13108 \mix_pdfobj:nnn{}{dict}{
13109     /Type/RichMediaInstance
13110     /Subtype/\g_mix_mainassetsub_tl
13111     /Asset~\g_mix_mainasset_tl
13112     \bool_if:NF\g_mix_iiid_bool{
13113         /Params~<<
13114         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13115             /Foreground
13116         }{
13117             /Background
13118         }
13119         \tl_if_blank:VF\g_mix_flashvars_tl{
13120             /FlashVars~(\g_mix_flashvars_tl)
13121         }

```



```

13122         >>
13123     }
13124 }
13125 \tl_if_empty:NF\g_mix_usrlabel_tl{
13126     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13127 }
13128 \mix_pdfobj:nnn{}{dict}{
13129     /Type/RichMediaConfiguration
13130     /Subtype/\g_mix_mainassetsub_tl
13131     /Instances~[\mix_pdflastobj:]
13132 }
13133 \mix_pdfobj:nnn{}{dict}{
13134     /Type/RichMediaContent
13135     /Assets~<</Names~[\g_mix_assets_tl]>>
13136     /Configurations~[\mix_pdflastobj:]
13137     \bool_if:NT{
13138         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13139     }{
13140         /Views~[\l_mix_iiidviewarray_tl]
13141     }
13142 }
13143 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13144 \bool_if:NT{
13145     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{0scillating}
13146 }{
13147     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13148 }
13149 %determine floating window size
13150 \bool_if:NT\g_mix_opt_windowed_bool{
13151     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13152 }
13153 \mix_pdfobj:nnn{}{dict}{
13154     /Activation~<<
13155     /Condition\g_mix_act_tl
13156     \bool_if:NT{
13157         \g_mix_iiid_bool &&
13158         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13159     }{%seems to work only with 3D content
13160     /Animation~<<
13161         /Subtype/\g_mix_playtpe_tl
13162         /PlayCount~\g_mix_playcnt_tl
13163         /Speed~\g_mix_playspd_tl
13164     >>
13165     }
13166     \bool_if:NT{
13167         \g_mix_iiid_bool && (
13168         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13169         )
13170     }{/View~\l_mix_dfltview_tl}
13171     /Presentation~<<

```



```

13172      /Transparent~\g_mix_transp_tl
13173      \bool_if:NTF\g_mix_opt_windowed_bool{
13174        /Style/Windowed
13175        /Window~<<
13176          /Width~<</Default~\tl_mix_fltd>>
13177          /Height~<</Default~\tl_mix_flht>>
13178          /Position~<<
13179            /HOffset~0/VOffset~0
13180            \str_case_x:nnF{\g_mix_winpos_tl}{
13181              {tl}{/VAlign/Near/HAlign/Near}
13182              {cl}{/VAlign/Center/HAlign/Near}
13183              {bl}{/VAlign/Far/HAlign/Near}
13184              {bc}{/VAlign/Far/HAlign/Center}
13185              {br}{/VAlign/Far/HAlign/Far}
13186              {cr}{/VAlign/Center/HAlign/Far}
13187              {tr}{/VAlign/Near/HAlign/Far}
13188              {tc}{/VAlign/Near/HAlign/Center}
13189            }{/HAlign/Center/VAlign/Center}
13190          >>
13191        >>
13192      }{
13193        /Style/Embedded
13194      }
13195      \bool_if:NTF\g_mix_iiid_bool{
13196        /Toolbar~\g_mix_tools_tl
13197        /NavigationPane~\g_mix_nav_tl
13198      }{
13199        /PassContextClick~\g_mix_contextclick_tl
13200      }
13201      >>
13202      \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13203      >>
13204      /Deactivation~<</Condition\g_mix_deact_tl>>
13205    }
13206    \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13207    \tl_if_empty:NF\g_mix_usrlabel_tl{
13208      \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13209    }
13210    % #1:width, #2:height, #3:depth, #4:content (key-value)
13211    \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13212      /Subtype/RichMedia
13213      /F~4\cs_if_exist_use:N\ocgxii@insert@OC
13214      /BS~<</W~0/S>>
13215      /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13216      /NM~(\g_mix_label_tl)
13217      /AP~<</N~\g_mix_appearance_tl>>
13218      /RichMediaSettings~\l_mix_settings_tl
13219      /RichMediaContent~\l_mix_content_tl
13220    }
13221    \tl_if_empty:NF\g_mix_usrlabel_tl{

```





```

13222     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13223     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13224       \noexpand\the\g_mix@page@int}
13225   }
13226   \mix_pdfobj:nnn{}{dict}{
13227     /S/JavaScript/JS~(
13228       try{
13229         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13230         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13231           annotRM['\g_mix_label_tl']=
13232             this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
13233         }
13234         \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13235           if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13236             var~ocgs=this.getOCGs(this.pageNum);
13237             for(var~i=0;i<ocgs.length;i++){
13238               if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13239                 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13240               }
13241             }
13242           }
13243           if(
13244             !annotRM['\g_mix_label_tl'].activated&&(
13245               app.viewerType=='Reader' ||
13246               app.viewerType=='Exchange' ||
13247               app.viewerType=='Exchange-Pro'
13248             )&&app.viewerVersion>=9
13249           ){
13250             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13251           }
13252         }
13253       }catch(e){}
13254       this.dirty=false;
13255     )
13256   }
13257   \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
13258     /Subtype/Widget
13259     /FT/Btn/Ff~65537/F~2
13260     /BS~<</W~0>>
13261     /T~(fd@\g_mix_label_tl)
13262     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13263   }
13264   \mix_appendtofields:n{\mix_pdflastann:}
13265   \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13266   \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
13267     \hbox_to_wd:nn{\g_mix_wd_tl}{
13268       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
13269     }
13270   }{%insert play button overlay
13271     \mix_insert_btnocg: %create OCG

```



```

13272     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
13273     %\hbox_set:Nn\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13274     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13275     \box_move_down:nn{\g_mix_dp_tl}{
13276       \hbox_to_wd:nn{\g_mix_wd_tl}{
13277         \vbox_to_ht:nn{\g_mix_tt_tl}{
13278           \vss
13279           \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
13280           \box_use:N\l_mix_pbtn_box
13281           \ocgbase_oc_emc:
13282         }
13283       }
13284     }
13285   }
13286   \int_gincr:N\g_mix_rmcnt_int
13287 }
13288 \endL
13289 \group_end:
13290 }
13291 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13292 \tl_set:Nn\includemedia{\mix_urbegin:\l_mix_includemedia_tl}
13293
13294
13295
13296 \RenewDocumentCommand\mediabutton{O{}}m}{%#1 options, #2 normal button text
13297   \mix_uriend:
13298   \group_begin:
13299   \beginL
13300   \leavevmode
13301   %reset various variables
13302   \tl_gclear:N\g_mix_overbtn_tl
13303   \tl_gclear:N\g_mix_downbtn_tl
13304   \tl_gclear:N\g_mix_btnactions_tl
13305   \tl_gclear:N\g_mix_tooltip_tl
13306   %process options
13307   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13308   \mix_urbegin: %treat URI characters correctly
13309   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13310   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13311   \mix_uriend:
13312   %normal button appearance
13313   %\hbox_set:Nn\l_mix_poster_box{#2}
13314   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13315   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13316   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13317   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13318   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13319     \mix_pdfxform:n{\l_mix_poster_box}
13320     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13321     \bool_if:NTF{ %dummy Widget for ocgx2, AR seems to need it

```



```

13322 % \cs_if_exist_p:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
13323 !\cs_if_exist:N\ocgxii@insert@OC{
13324 \tl_if_blank_p:V\ocgxii@insert@OC
13325 }{
13326 \c_true_bool
13327 }
13328 }{\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F-2}}
13329 %insert widget annotation
13330 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13331 /Subtype/Widget
13332 /T~(mbtn@~\int_use:N\g_mix_mbtncnt_int)
13333 \tl_if_empty:N\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13334 /FT/Btn/Ff~65536\cs_if_exist_use:N\ocgxii@insert@OC
13335 \tl_if_empty:N\g_mix_downbtn_tl{/H/I}{/H/P}
13336 /AP~<<
13337 /N~\g_mix_normalbtn_tl
13338 \tl_if_empty:N\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13339 \tl_if_empty:N\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13340 >>
13341 /MK~<<
13342 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13343 /I~\g_mix_normalbtn_tl
13344 \tl_if_empty:N\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13345 \tl_if_empty:N\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13346 >>
13347 /A~<<
13348 /S/JavaScript/JS~(app.focusRect=false;)
13349 %sequence of actions to perform
13350 \tl_if_empty:N\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13351 >>
13352 }
13353 \mix_appendtofields:n{\mix_pdflastann:}
13354 \hbox_to_wd:nn{\width}{
13355 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13356 }
13357 \int_gincr:N\g_mix_mbtncnt_int
13358 }
13359 \endL
13360 \group_end:
13361 }
13362 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13363 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13364
13365
13366

```

## 7.78 memoir-xetex-bidi.def

```

13367 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
13368 \renewcommand{\keepthetitle}{%

```



```

13369 \bsmtitleempty
13370 \global\let\thanks\relax
13371 \global\let\LTRthanks\relax
13372 \global\let\RTLthanks\relax
13373 \global\let\and\relax
13374 \global\let\andnext\relax
13375 \global\let\@thanks\@empty
13376 \global\let\@title\@empty
13377 \global\let\@author\@empty
13378 \global\let\@date\@empty}
13379 \renewcommand{\maketitle}{\par
13380 \begingroup
13381 \@bsmarkseries
13382 \def\@makefnmark{\@textsuperscript{%
13383 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
13384 \long\def\@makefntext##1{\makethanksmark ##1}
13385 \if@twocolumn
13386 \ifnum \col@number=\@ne
13387 \@maketitle
13388 \else
13389 \twocolumn[\@maketitle]%
13390 \fi
13391 \else
13392 \ifdim\pagetotal>\z@
13393 \newpage
13394 \fi
13395 \global\@topnum\z@
13396 \@maketitle
13397 \fi
13398 \thispagestyle{title}\@thanks
13399 \endgroup
13400 \@bscontmark % \setcounter{footnote}{0}%
13401 }
13402 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
13403 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
13404 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
13405 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
13406 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
13407 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
13408 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
13409 \renewcommand*{\thesubsection}{%
13410 \thesection\@SepMark\@arabic\c@subsection}
13411 \renewcommand*{\thesubsubsection}{%
13412 \thesubsection\@SepMark\@arabic\c@subsubsection}
13413 \renewcommand*{\theparagraph}{%
13414 \thesubsubsection\@SepMark\@arabic\c@paragraph}
13415 \renewcommand*{\thesubparagraph}{%
13416 \theparagraph\@SepMark\@arabic\c@subparagraph}
13417 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13418 \renewcommand{\theequation}{%

```



```

13419 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13420 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13421 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
13422 \ifartopt
13423 \chapterstyle{article}
13424 \counterwithout{figure}{chapter}
13425 \counterwithout{table}{chapter}
13426 \counterwithout{footnote}{chapter}
13427 \counterwithout{equation}{chapter}
13428 \renewcommand{\chaptername}{\@}
13429 \renewcommand{\maketitlehookb}{\%
13430 \vskip -1.5\topsep\vskip -1.5\partopsep}
13431 \renewcommand{\maketitlehookc}{\%
13432 \vskip -1.5\topsep\vskip -1.5\partopsep}
13433 \fi
13434 \long\def\@makecaption#1#2{\let\@memtempa\relax
13435 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
13436 \else \def\@memtempa{\vbox to\topskip{}}\fi
13437 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
13438 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
13439 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13440 \let\footnote\@contfnote
13441 \let\footnotemark\@contfmark
13442 \ifdim\wd\@tempboxa<\linewidth \centering \fi
13443 \if@contcw
13444 \centering
13445 \parbox{\@contcwidth}{\%
13446 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
13447 \fi
13448 \ifdim\wd\@tempboxa<\linewidth
13449 \@contpre
13450 {\@contnfont #1\@contdelim}\@memtempa
13451 {\@contcshortstyle \@conttfont #2\@contfinal\par}
13452 \else
13453 \if@conthang
13454 \sbox\@tempboxa{\@contnfont #1\@contdelim}
13455 \@contpre%
13456 {\@contcstyle\hangindent=\wd\@tempboxa
13457 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
13458 \else
13459 \if@contindent
13460 \@contpre%
13461 {\@contnfont #1\@contdelim}\@memtempa
13462 {\@contcstyle\hangindent=\@contindw
13463 \hangafter=\@one\@conttfont #2\@contfinal\par}}% <- v1.4
13464 \else
13465 \@contpre%
13466 {\@contnfont #1\@contdelim}\@memtempa
13467 {\@contcstyle \@conttfont #2\@contfinal\par}
13468 \fi

```



```

13469 \fi
13470 \fi
13471 \@contpost
13472 \if@contcw
13473 \par
13474 } % end of the \parbox
13475 \fi
13476 \vskip\belowcaptionskip}
13477 \@ifpackageloaded{caption}{%
13478 \AtBeginPackage{caption}{%
13479 \ClassWarningNoLine{memoir}{%
13480 You are using the caption package with the memoir \MessageBreak
13481 class. This may cause unexpected or inconsistent \MessageBreak
13482 results if you use any of memoir's captioning facilities}
13483
13484 \long\def\@makecaption##1##2{%
13485 \vskip\abovecaptionskip
13486 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13487 \ifdim \wd\@tempboxa >\hsize
13488 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13489 \else
13490 \global \@minipagefalse
13491 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13492 \fi
13493 \vskip\belowcaptionskip}
13494
13495 \def\caption{%
13496 \ifx\@capttype\@undefined
13497 \@latex@error{\noexpand\caption outside float}\@ehd
13498 \expandafter\@gobble
13499 \else
13500 \refstepcounter\@capttype
13501 \expandafter\@firstofone
13502 \fi
13503 {\@dblarg{\@caption\@capttype}}}%
13504 }
13505
13506 \long\def\@caption##1[##2]##3{%
13507 \par
13508 \addcontentsline{\csname ext@##1\endcsname}{##1}%
13509 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
13510 \begingroup
13511 \@parboxrestore
13512 \if@minipage
13513 \@setminipage
13514 \fi
13515 \normalsize
13516 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
13517 \endgroup}
13518 }}{}

```



```

13519 \renewenvironment{thebibliography}[1]{%
13520   \bibsection
13521   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13522   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

## 7.79 midfloat-xetex-bidi.def

```

13523 \ProvidesFile{midfloat-xetex-bidi.def}[2016/05/10 v0.3 bidi adaptations for midfloat package for
13524 \def\RTL@outputdblcol{%
13525   \if@firstcolumn
13526     \global \@firstcolumnfalse
13527     \global\setbox\@leftcolumn\copy\@outputbox
13528     \splitmaxdepth\maxdimen
13529     \vbadness\maxdimen
13530     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13531     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13532     \toks@\expandafter{\topmark}%
13533     \xdef\@firstcoltopmark{\the\toks@}%
13534     \toks@\expandafter{\splitfirstmark}%
13535     \xdef\@firstcolfirstmark{\the\toks@}%
13536     \ifx\@firstcolfirstmark\@empty
13537       \global\let\@setmarks\relax
13538     \else
13539       \gdef\@setmarks{%
13540         \let\firstmark\@firstcolfirstmark
13541         \let\topmark\@firstcoltopmark}%
13542     \fi
13543     \global\c@colht\@colht\global\c@addvipersep\z@
13544     \ifnum\jua@sk>0
13545       \remove@strip\jua@sar
13546       \global\@colht\the\jua@pr
13547       \ifdim\right@cor>\z@
13548         \global\advance\@colht by\right@cor
13549       \fi
13550       \global\advance\@colht by\cor@height
13551       \global\cor@height=0pt
13552     \fi
13553     \global \setbox\@rightcolumn \vbox{%
13554   \else
13555     \ifdim\c@colht>\@colht
13556       \@tempdima\@colht
13557       \ifdim\@colht>\z@
13558         \global\setbox\@rightcolumn \vbox{%
13559           \unvbox\@rightcolumn
13560           \vbox to\@tempdima{%
13561             \vskip\c@addvipersep\unvbox\@outputbox}%
13562           \vskip\stripsep
13563           \vrule height\the\jua@ht width 0pt depth 0pt
13564           \vskip\stripsep
13565         }%

```



```

13566         \global\c@addvipersep\m@addvipersep
13567     \else
13568     \global\setbox\@rightcolumn \vbox{%
13569         \unvbox\@rightcolumn
13570         \vrule height\the\jua@ht width Opt depth Opt
13571         \vskip\stripsep
13572     }%
13573 \fi
13574 \ifnum\jua@sk>0
13575     \remove@strip\jua@sar
13576     \global\@colht\the\jua@pr
13577     \global\advance\@colht by -\ht\@rightcolumn
13578     \global\advance\@colht by\cor@height
13579     \global\cor@height=Opt
13580 \else
13581     \global\advance\c@colht by-\ht\@rightcolumn
13582     \global\@colht\c@colht
13583 \fi
13584 \else
13585 \global\@firstcolumntrue
13586 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13587     \unvbox\@rightcolumn
13588     \vskip\c@addvipersep
13589     \unvbox\@outputbox
13590 }%
13591 \setbox\@outputbox \vbox {%
13592     \hb@xt@\textwidth {%
13593         \hskip \columnwidth
13594         \hfil
13595         \vrule \@width\columnseprule
13596         \hfil
13597         \hb@xt@\columnwidth {%
13598             \box\@leftcolumn \hss}%
13599         \hskip-\textwidth
13600         \hb@xt@\columnwidth {%
13601             \box\@outputbox \hss}%
13602         \hskip\columnwidth
13603         \hskip\columnsep}%
13604     }%
13605 \@combinedblfloats
13606 \@setmarks
13607 \@outputpage
13608 \begingroup
13609     \@dblfloatplacement
13610     \@startdblcolumn
13611     \@whiles\if@fcolmade \fi
13612     {\@outputpage
13613     \@startdblcolumn}%
13614 \endgroup
13615 \global\jua@sk=0\global\jua@sar={}

```





```

13616 \global\cor@height\z@\global\c@addvipersep\z@
13617 \fi
13618 \fi
13619 }
13620
13621
13622 \def\LTR@outputdblcol{%
13623 \if@firstcolumn
13624 \global \@firstcolumnfalse
13625 \global\setbox\@leftcolumn\copy\@outputbox
13626 \splitmaxdepth\maxdimen
13627 \vbadness\maxdimen
13628 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13629 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13630 \toks@\expandafter{\topmark}%
13631 \xdef\@firstcoltopmark{\the\toks@}%
13632 \toks@\expandafter{\splitfirstmark}%
13633 \xdef\@firstcolfirstmark{\the\toks@}%
13634 \ifx\@firstcolfirstmark\@empty
13635 \global\let\@setmarks\relax
13636 \else
13637 \gdef\@setmarks{%
13638 \let\firstmark\@firstcolfirstmark
13639 \let\topmark\@firstcoltopmark}%
13640 \fi
13641 \global\c@colht\@colht\global\c@addvipersep\z@
13642 \ifnum\jua@sk>0
13643 \remove@strip\jua@sar
13644 \global\@colht\the\jua@pr
13645 \ifdim\right@cor>\z@
13646 \global\advance\@colht by\right@cor
13647 \fi
13648 \global\advance\@colht by\cor@height
13649 \global\cor@height=0pt
13650 \fi
13651 \global\setbox\@rightcolumn\vbox{%
13652 \else
13653 \ifdim\c@colht>\@colht
13654 \@tempdima\@colht
13655 \ifdim\@colht>\z@
13656 \global\setbox\@rightcolumn\vbox{%
13657 \unvbox\@rightcolumn
13658 \vbox to\@tempdima{%
13659 \vskip\c@addvipersep\unvbox\@outputbox}%
13660 \vskip\stripsep
13661 \vrule height\the\jua@ht width 0pt depth 0pt
13662 \vskip\stripsep
13663 }%
13664 \global\c@addvipersep\m@addvipersep
13665 \else

```



```

13666         \global\setbox\@rightcolumn \vbox{%
13667             \unvbox\@rightcolumn
13668             \vrule height\the\jua@ht width Opt depth Opt
13669             \vskip\stripsep
13670         }%
13671     \fi
13672     \ifnum\jua@sk>0
13673         \remove@strip\jua@sar
13674         \global\@colht\the\jua@pr
13675         \global\advance\@colht by -\ht\@rightcolumn
13676         \global\advance\@colht by\cor@height
13677         \global\cor@height=Opt
13678     \else
13679         \global\advance\c@colht by-\ht\@rightcolumn
13680         \global\@colht\c@colht
13681     \fi
13682 \else
13683     \global\@firstcolumntrue
13684     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13685         \unvbox\@rightcolumn
13686         \vskip\c@advipersep
13687         \unvbox\@outputbox
13688     }%
13689     \setbox\@outputbox \vbox {%
13690         \hb@xt@\textwidth {%
13691             \hb@xt@\columnwidth {%
13692                 \box\@leftcolumn \hss}%
13693             \hfil
13694             \vrule \@width\columnseprule
13695             \hfil
13696             \hb@xt@\columnwidth {%
13697                 \box\@outputbox \hss}%
13698             }%
13699         }%
13700     \@combinedblfloats
13701     \@setmarks
13702     \@outputpage
13703     \begingroup
13704         \@dblfloatplacement
13705         \@startdblcolumn
13706         \@whiles\if@fcolmade \fi
13707         {\@outputpage
13708             \@startdblcolumn}%
13709     \endgroup
13710     \global\jua@sk=0\global\jua@sar={}%
13711     \global\cor@height\z@\global\c@advipersep\z@
13712     \fi
13713 \fi
13714 }
13715

```



```

13716
13717 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
13718 \global\setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v
13719 \hsize\textwidth
13720 \parboxrestore
13721 \col@number \@ne
13722 \vrule height\topskip width0pt depth0pt
13723 }
13724
13725 \def\endstrip{%
13726 \egroup\egroup
13727 \if@firstcolumn
13728 \ifdim\pagetotal>\z@
13729 \vskip\stripsep
13730 \global\ht@strip\pagegoal
13731 \global\advance\ht@strip by-\pagetotal
13732 \global\advance\ht@strip by-\stripsep
13733 \global\advance\ht@strip by-\ht\@viper
13734 \global\advance\ht@strip by-\stripsep
13735 \global\jua@ht=\ht\@viper
13736 \else
13737 \global\ht@strip\z@
13738 \fi
13739 \ifdim\ht@strip>\z@
13740 \unvbox\@viper
13741 \vskip\stripsep
13742 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
13743 \global\advance\jua@sk by1
13744 \else
13745 \@latex@error{Strip needs more place!}\@ehc
13746 \if@vihproof
13747 \framebox[\columnwidth]{??? Strip ???}%
13748 \fi
13749 \fi
13750 \else
13751 \@latex@error{Strip is used only on left column!}\@ehc
13752 \if@vihproof
13753 \framebox[\columnwidth]{??? Strip ???}%
13754 \fi
13755 \fi
13756 }

```

## 7.8o minitoc-xetex-bidi.def

```

13757 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for X
13758 \def\@undottedtocline#1#2#3#4#5{%
13759 \ifnum #1>\c@tocdepth\relax \else
13760 \vskip \z@ plus.2\p@
13761 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \p
13762 \parindent #2\relax\@afterindenttrue

```



```

13763 \interlinepenalty\@M
13764 \leavevmode
13765 \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
13766 \hskip -\if@RTL\righskip\else\leftskip\fi
13767 #4\nobreak\hfill \nobreak
13768 \null\par}%
13769 \fi}
13770 \def\@Undottedtocline#1#2#3#4#5{%
13771 \ifnum #1>\c@tocdepth\relax \else
13772 \vskip \z@ \@plus.2\p@
13773 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
13774 \parindent #2\relax\@afterindenttrue
13775 \interlinepenalty\@M
13776 \leavevmode
13777 \@tempdima #3\relax
13778 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\
13779 {\coffefont #4}\nobreak \nobreak\null
13780 \par}%
13781 \fi}
13782 \def\@Undottedtoclinep#1#2#3#4#5{%
13783 \ifnum #1>\c@tocdepth\relax \else
13784 \vskip \z@ \@plus.2\p@
13785 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
13786 \parindent #2\relax\@afterindenttrue
13787 \interlinepenalty\@M
13788 \leavevmode
13789 \@tempdima #3\relax
13790 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\
13791 {#4}\nobreak \hfill \nobreak\null
13792 \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}}%
13793 \par}%
13794 \fi}

```

## 7.81 multicol-xetex-bidi.def

```

13795 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package for
13796 \def\page@sofar{%
13797 \process@cols\mult@rightbox
13798 {\ifvoid\count@
13799 \setbox\count@\hbox to\hsize{}%
13800 \else
13801 \wd\count@\hsize
13802 \fi}%
13803 \count@\col@number \advance\count@\m@ne
13804 \mult@info\z@
13805 {Column spec: \the\full@width\space = indent
13806 + columns + sep =\MessageBreak
13807 \the\multicol@leftmargin\space
13808 + \the\col@number\space
13809 x \the\hsize\space

```



```

13810      + \the\count@\space
13811      x \the\columnsep
13812    }%
13813 \ifvmode\else\errmessage{Multicol Error}\fi
13814 \nointerlineskip
13815 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
13816 \moveright\multicol@leftmargin
13817 \hbox to\full@width{%
13818   \bidi@multicol@align@columns
13819   \rlap{\phantom p}%
13820 }%
13821 \prevdepth\z@
13822 \kern-\dimen\tw@
13823 \ifdim\dimen\tw@ > \mc@gridwarn
13824   \PackageWarning{multicol}%
13825     {Very deep columns!\MessageBreak
13826     Grid alignment might be broken}%
13827 \fi
13828 }
13829 \def\LTR@column@boxes{%
13830   \process@cols\mult@gfirstbox{%
13831     \ifdim\dp\count@>\dimen\tw@
13832       \global\dimen\tw@\dp\count@ \fi
13833     \mc@col@status@write
13834     \box\count@
13835     \hss{\columnseprulecolor\vrule
13836         \@width\columnseprule}\hss}%
13837   \ifdim\dp\mult@rightbox>\dimen\tw@
13838     \global\dimen\tw@\dp\mult@rightbox \fi
13839   \mc@lastcol@status@write
13840   \box\mult@rightbox
13841 }
13842
13843 \def\RTL@column@boxes{%
13844   \ifnum\col@number<\tw@
13845     \LTR@column@boxes
13846   \else
13847     \process@cols\mult@gfirstbox{%
13848       \hskip\hsize
13849       \hss{\columnseprulecolor\vrule
13850         \@width\columnseprule}\hss
13851     }%
13852     \hskip\hsize
13853     \process@cols\mult@gfirstbox{%
13854       \ifdim\dp\count@>\dimen\tw@
13855         \global\dimen\tw@\dp\count@ \fi
13856       \hskip-\hsize
13857       \mc@col@status@write
13858       \box\count@
13859       \hskip-\hsize

```



```

13860     \hskip-\columnsep
13861   }%
13862   \ifdim\dp\mult@rightbox>\dimen\tw@
13863     \global\dimen\tw@\dp\mult@rightbox \fi
13864   \hskip-\hsize
13865   \mc@lastcol@status@write
13866   \box\mult@rightbox
13867   \hskip-\hsize
13868   \hskip\full@width
13869 \fi
13870 }
13871 \newcommand\RTLmulticolcolumns
13872   {\let\bidimulticol@align@columns
13873     \RTL@column@boxes}
13874 \newcommand\LTRmulticolcolumns
13875   {\let\bidimulticol@align@columns
13876     \LTR@column@boxes}
13877 \newcommand\bidimulticol@align@columns
13878   {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
13879 \def\multicols#1{\col@number#1\relax
13880   \ifnum\col@number<\tw@
13881     \PackageWarning{multicol}%
13882       {Using ``\number\col@number'
13883         columns doesn't seem a good idea.^^J
13884         I therefore use two columns instead}%
13885     \col@number\tw@ \fi
13886   \ifnum\col@number>10
13887     \PackageError{multicol}%
13888       {Too many columns}%
13889     {Current implementation doesn't
13890       support more than 10 columns.%
13891     \MessageBreak
13892     I therefore use 10 columns instead}%
13893   \col@number10 \fi
13894   \ifx\@footnotetext\mult@footnotetext\else
13895     \let\orig@footnotetext\@footnotetext
13896     \let\@footnotetext\mult@footnotetext
13897   \fi
13898   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
13899     \let\orig@LTRfootnotetext\@LTRfootnotetext
13900     \let\@LTRfootnotetext\mult@LTRfootnotetext
13901   \fi
13902   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
13903     \let\orig@RTLfootnotetext\@RTLfootnotetext
13904     \let\@RTLfootnotetext\mult@RTLfootnotetext
13905   \fi
13906   \@ifnextchar[\mult@cols{\mult@cols[]}]
13907 \long\def\mult@footnotetext#1{\begingroup
13908   \hsize\textwidth
13909   \columnwidth\textwidth

```



```

13910         \orig@footnotetext{#1}\endgroup}
13911 \long\def\mult@LTRfootnotetext#1{\begingroup
13912         \hsize\textwidth
13913         \columnwidth\textwidth
13914         \orig@LTRfootnotetext{#1}\endgroup}
13915 \long\def\mult@RTLfootnotetext#1{\begingroup
13916         \hsize\textwidth
13917         \columnwidth\textwidth
13918         \orig@RTLfootnotetext{#1}\endgroup}
13919 \def\right@footnoterule{%
13920     \kern-3\p@
13921     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
13922     \kern2.6\p@}
13923 \def\textwidth@footnoterule{\kern-3\p@
13924     \hrule \@width \textwidth \kern 2.6\p@}

```

## 7.82 multienum-xetex-bidi.def

```

13925 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
13926 \renewcommand{\itemx}[1]{\parbox[t]{%
13927     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13928     \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
13929 \renewcommand{\itemxx}[2]{\parbox[t]{%
13930     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13931     \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
13932     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13933     \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
13934 \renewcommand{\itemxxx}[3]{\parbox[t]{%
13935     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13936     \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
13937     {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
13938     \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
13939     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13940     \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
13941 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
13942     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13943     \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
13944     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13945     \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13946     \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13947     \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
13948     \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13949     \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
13950 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
13951     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13952     \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
13953     \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13954     \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
13955     \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13956     \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%

```



```

13957 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13958 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
13959 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13960 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
13961 \renewcommand{\itemxox}[2]{\parbox[t]%
13962 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13963 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13964 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13965 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
13966 \renewcommand{\itemxxo}[2]{\parbox[t]%
13967 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13968 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
13969 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13970 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
13971 \renewcommand{\itemxox}[3]{\parbox[t]%
13972 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13973 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13974 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13975 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13976 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13977 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13978 \renewcommand{\itemxxox}[3]{\parbox[t]%
13979 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13980 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13981 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13982 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
13983 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13984 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13985 \renewcommand{\itemxxox}[3]{\parbox[t]%
13986 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13987 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13988 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13989 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13990 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13991 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

## 7.83 natbib-xetex-bidi.def

```

13992 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeTeX]
13993 \renewenvironment{thebibliography}[1]{%
13994 \bibsection
13995 \parindent\z@
13996 \bibpreamble
13997 \bibfont
13998 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13999 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14000 \ifNAT@openbib
14001 \renewcommand\newblock{\par}%
14002 \else
14003 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%

```





```

14004 \fi
14005 \sloppy\clubpenalty4000\widowpenalty4000
14006 \sfcode`.\@m
14007 \let\NAT@bibitem@first@sw\@firstoftwo
14008 \let\citeN\cite \let\shortcite\cite
14009 \let\citeasnoun\cite
14010 }{%
14011 \bibitem@fin
14012 \bibpostamble
14013 \def\@noitemerr{%
14014 \PackageWarning{natbib}{Empty `thebibliography' environment}}%
14015 }%
14016 \endlist
14017 \bibcleanup
14018 }%

```

## 7.84 newfloat-xetex-bidi.def

```

14019 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for]
14020 \renewcommand*\newfloat@setwithin[2]{%
14021 \ifcsname c@chapter\endcsname
14022 \@removefromreset{#1}{chapter}%
14023 \fi
14024 \@removefromreset{#1}{section}%
14025 \edef\@tempa{#2}%
14026 \ifx\@tempa\@empty
14027 \def\@tempa{none}%
14028 \fi
14029 \def\@tempb{none}%
14030 \ifx\@tempa\@tempb
14031 \ifcsname c@chapter\endcsname
14032 \@chapterlistsgap@off{#1}%
14033 \fi
14034 \newfloat@@setwithin{#1}{-}{-}%
14035 \else
14036 \def\@tempb{chapter}%
14037 \ifx\@tempa\@tempb
14038 \@addtoreset{#1}{chapter}%
14039 \@chapterlistsgap@on{#1}%
14040 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14041 \else
14042 \def\@tempb{section}%
14043 \ifx\@tempa\@tempb
14044 \@addtoreset{#1}{section}%
14045 \ifcsname c@chapter\endcsname
14046 \@addtoreset{#1}{chapter}%
14047 \@chapterlistsgap@on{#1}%
14048 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14049 \else
14050 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%

```



```

14051         \fi
14052     \else
14053         \newfloat@Error{Invalid value `#2' for option `within'}%
14054     \fi
14055 \fi
14056 \fi}

```

## 7.85 ntheorem-xetex-bidi.def

```

14057 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
14058 \gdef\@thm#1#2#3{%
14059     \if@thmmarks
14060         \stepcounter{end\InTheoType ctr}%
14061     \fi
14062     \renewcommand{\InTheoType}{#1}%
14063     \if@thmmarks
14064         \stepcounter{curr#1ctr}%
14065         \setcounter{end#1ctr}{0}%
14066     \fi
14067     \refstepcounter{#2}%
14068     \theorem@prework
14069     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14070     \ifvmode \advance\thm@topsepadd\partopsep\fi
14071     \trivlist
14072     \@topsep \theorempreskipamount
14073     \@topsepadd \thm@topsepadd % used by \@endparenv
14074     \advance\linewidth -\theorem@indent
14075     \advance\@totalleftmargin \theorem@indent
14076     \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14077     \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

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

```

14078 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper
14079 \gdef\@thm#1#2#3{%
14080     \if@thmmarks
14081         \stepcounter{end\InTheoType ctr}%
14082     \fi
14083     \renewcommand{\InTheoType}{#1}%
14084     \if@thmmarks
14085         \stepcounter{curr#1ctr}%
14086         \setcounter{end#1ctr}{0}%
14087     \fi
14088     \refstepcounter{#2}%
14089     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14090     \ifvmode \advance\thm@topsepadd\partopsep\fi
14091     \trivlist
14092     \@topsep \theorempreskipamount
14093     \@topsepadd \thm@topsepadd % used by \@endparenv
14094     \advance\linewidth -\theorem@indent
14095     \advance\@totalleftmargin \theorem@indent

```



```

14096 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14097 \@ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 7.87 overpic-xetex-bidi.def

```

14098 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for X
14099 \renewenvironment{overpic}[2] [] {%
14100   \sbox{\z@}{\includegraphics[#1]{#2}}%
14101   \settodepth{\@tempcnta}{\usebox{\z@}}%
14102   \settoheight{\@tempcntb}{\usebox{\z@}}%
14103   \advance\@tempcntb\@tempcnta%
14104   \settowidth{\@tempcnta}{\usebox{\z@}}%
14105   \setlength{\@tempdima}{\unitlength}%
14106   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14107 %
14108 \OVP@calc%
14109 %
14110 \begin{picture}(\@tempcnta,\@tempcntb)%
14111   \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14112   \ifGin@grid%
14113     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14114       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14115   \fi\fi%
14116   % reset the graphics parameter
14117   \let\Gin@outer@scalex\relax
14118   \let\Gin@outer@scaley\relax
14119   \let\Gin@angle\relax
14120   \let\Gin@ewidth\Gin@exclamation
14121   \let\Gin@eheight\Gin@ewidth
14122   \def\Gin@scalex{1}
14123   \let\Gin@scaley\Gin@exclamation
14124 }{%
14125   \if@RTL\ifGin@grid%
14126     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14127       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14128   \fi%
14129   \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14130 \end{picture}%
14131 }%

```

## 7.88 pdfpages-xetex-bidi.def

```

14132 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
14133 \renewcommand*{\includepdf}[2] [] {%
14134   \begingroup
14135   \@RTLfalse
14136   \let\AM@threadname\relax
14137   \AM@split@options{pdfpages}{#1}%
14138   \edef\AM@temp{\pdfpages}{\the\@temptokena}%
14139   \expandafter\setkeys\AM@temp
14140   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%

```



```

14141 \let\AM@currentdocname\relax
14142 \renewcommand\includegraphics[2][]{Survey in draft-mode}%
14143 \def\AM@pagecount{0}%
14144 }{%
14145 \AM@findfile{#2}%
14146 \if\AM@threadname\relax
14147 \def\AM@threadname{\AM@currentdocname}%
14148 \fi
14149 }%
14150 \ifAM@survey
14151 \def\AM@pagestemp{%
14152 \@tempcnta=0
14153 \def\foo{%
14154 \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
14155 {\let\foo\relax}
14156 {\expandafter\ifx\expandafter\\AM@pagestemp\\
14157 \edef\AM@pagestemp{
14158 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14159 \else
14160 \edef\AM@pagestemp{\AM@pagestemp,
14161 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14162 \fi
14163 \advance\@tempcnta 1\relax
14164 }%
14165 \foo
14166 }%
14167 \foo
14168 \expandafter\ifx\expandafter\\AM@pagestemp\\
14169 \def\AM@pagestemp{1}%
14170 \fi
14171 \fi
14172 \ifAM@output
14173 \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14174 \AM@output{#1}%
14175 \fi
14176 \AM@CheckAtEnd
14177 \endgroup
14178 \AM@ClearShipoutPicture
14179 }

```

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

```

14180 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packa
14181 \def\pgfpicture{%
14182 \begingroup%
14183 \ifmmode\else\@RTLfalse\beginL\fi%
14184 \pgfpicturetrue%
14185 \global\advance\pgf@picture@serial@count by1\relax%
14186 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
14187 \let\pgf@nodecallback=\pgfutil@gobble%

```



```

14188 \pgf@picmaxx=-16000pt\relax%
14189 \pgf@picminx=16000pt\relax%
14190 \pgf@picmaxy=-16000pt\relax%
14191 \pgf@picminy=16000pt\relax%
14192 \pgf@relevantforpicturesizetrue%
14193 \pgf@resetpathsizes%
14194 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
14195 \def\endpgfpicture{%
14196     \ifpgfrememberpicturepositiononpage%
14197         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14198     \fi%
14199     % ok, now let's position the box
14200     \ifdim\pgf@picmaxx=-16000pt\relax%
14201         % empty picture. make size 0.
14202         \global\pgf@picmaxx=0pt\relax%
14203         \global\pgf@picminx=0pt\relax%
14204         \global\pgf@picmaxy=0pt\relax%
14205         \global\pgf@picminy=0pt\relax%
14206     \fi%
14207     % Shift baseline outside:
14208     \pgf@relevantforpicturesizefalse%
14209     \pgf@process{\pgf@baseline}%
14210     \xdef\pgf@shift@baseline{\the\pgf@y}%
14211     %
14212     \pgf@process{\pgf@trimleft}%
14213     \global\advance\pgf@x by-\pgf@picminx
14214     % prepare \hskip\pgf@trimleft@final.
14215     % note that \pgf@trimleft@final is also queried
14216     % by the pgf image externalization.
14217     \xdef\pgf@trimleft@final{-\the\pgf@x}%
14218     %
14219     \pgf@process{\pgf@trimright}%
14220     \global\advance\pgf@x by-\pgf@picmaxx
14221     % prepare \hskip\pgf@trimright@final.
14222     % note that \pgf@trimright@final is also queried
14223     % by the pgf image externalization.
14224     \xdef\pgf@trimright@final{\the\pgf@x}%
14225     %
14226     \pgf@remember@layerlist@globally
14227     \endgroup%
14228     \hss%
14229     \egroup%
14230     \pgf@restore@layerlist@from@global
14231     \pgf@insertlayers%
14232     \endgroup%
14233     \pgfsys@discardpath%
14234     \endgroup%
14235     \pgfsys@endscope%
14236     \pgfsys@endpicture%
14237     \endgroup%

```



```

14238 \hss
14239 \egroup%
14240 \pgfsys@typesetpicturebox\pgfpic%
14241 \ifmmode\else\endL\fi%
14242 \endgroup%
14243 }

```

## 7.90 picinpar-xetex-bidi.def

```

14244 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
14245 \long\def\@makewincaption#1#2{%
14246 \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14247 \ifdim\wd\@tempboxa>\picwd
14248 {\footnotesize{\bf #1:\enspace}{#2\par}}
14249 \else
14250 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14251 \fi}
14252 \def\endwindow{%
14253 \global\tcd=\tcdsav
14254 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14255 \vbadness=10000
14256 \splittopskip=0pt
14257 %
14258 % Typeset the lines above the window
14259 %
14260 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14261 \tcn=\tcd
14262 \loop\advance\tcn -1
14263 \setbox\fslice=\vsplit\holder to\baselineskip
14264 \prune\fslice\linewidth
14265 \topheight=0pt
14266 \ifnum\dp\fslice>\dp\wstrutbox
14267 \advance\topheight-\dp\fslice
14268 \advance\topheight\dp\wstrutbox
14269 \advance\topheight\ilg\fi
14270 \hbox to\linewidth{\box\fslice}
14271 \vskip-\topheight
14272 \ifdim\ht\holder>0pt\repeat
14273 \fi
14274 %
14275 % Now we build the boxes beside the window
14276 %
14277 \global\topheight=\tcl\baselineskip
14278 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14279 \global\topheight=\vpic
14280 \fi
14281 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14282 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14283 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14284 \tcn=\tcl \na=0 \nb=0

```



```

14285 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14286 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14287 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14288 \ifnum\na=0\ifnum\nb=0
14289     \setbox\waslice=\vbox to\vpic{\vss}
14290     \setbox\wbslice=\vbox to\vpic{\vss}
14291     \bl=1\br=1
14292     \vskip\ilg
14293 \fi\fi
14294 %
14295 % both sides
14296 %
14297 \ifnum\na>0 \ifnum\nb>0
14298 \loop\advance\nb -1
14299 \advance\na -1
14300 \if@RTL%
14301 \setbox\bslice=\vsplit\holder to\baselineskip
14302 \prune\bslice\rtside
14303 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14304 to\rtside{\box\bslice\hfil}}
14305 \setbox\aslice=\vsplit\holder to\baselineskip
14306 \prune\aslice\lftside
14307 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14308 to\lftside{\box\aslice\hfil}}
14309 \else%
14310 \setbox\aslice=\vsplit\holder to\baselineskip
14311 \prune\aslice\lftside
14312 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14313 to\lftside{\box\aslice\hfil}}
14314 \setbox\bslice=\vsplit\holder to\baselineskip
14315 \prune\bslice\rtside
14316 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14317 to\rtside{\box\bslice\hfil}}
14318 \fi%
14319 \ifnum\nb>0\repeat
14320 \fi\fi
14321 %
14322 % only text on the left side
14323 %
14324 \ifnum\na>0
14325     \loop\advance\na -1
14326     \setbox\aslice=\vsplit\holder to\baselineskip
14327     \prune\aslice\lftside
14328     \setbox\waslice=\vbox{\unvbox\waslice\hbox
14329 to\lftside{\box\aslice\hfil}}
14330     \ifdim\ht\holder>Opt\repeat
14331 \fi
14332 %
14333 % only text on the right side
14334 %

```



```

14335 \ifnum\nb>0
14336   \loop\advance\nb -1
14337   \setbox\bslice=\vsplit\holder to\baselineskip
14338   \prune\bslice\rtside
14339   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14340     to\rtside{\box\bslice\hfil}}
14341   \ifdim\ht\holder>Opt\repeat
14342 \fi
14343 %
14344 % fixing the dimensions of the window part
14345 %
14346 \ifnum\bl=0\topheight=\ht\wbslice
14347 \else\ifnum\br=0\topheight=\ht\waslice
14348   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
14349     \else\topheight=\ht\wbslice\fi\fi\fi
14350 %
14351 % ship out the window material to the main vertical list
14352 %
14353 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14354 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14355 \fi\fi\fi
14356 \setbox>windowbox=\vbox{\hbox to\linewidth{%
14357 \ifnum\bl>0\box\waslice\hfill\fi%
14358 \vbox to\topheight{\hrule width\picwd heightOpt depthOpt\vskipOpt%
14359 \vfill\unvbox\picbox%
14360 \ifnum\picwd>0\vfill\fi%
14361 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
14362 \unvbox>windowbox%
14363 \loop
14364 \setbox\bslice=\vsplit\rawtext to\baselineskip
14365 \prune\bslice\linewidth
14366 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14367 \unvbox\wbslice
14368 \ifdim\ht\rawtext>Opt
14369 \repeat
14370 }% FINITO

```

## 7.91 plain-xetex-bidi.def

```

14371 \def\TeXXeTOn{\TeXXeTstate=1 }
14372 \def\TeXXeTOff{\TeXXeTstate=0 }
14373 \TeXXeTOn
14374 \def\usebox#1{\leavevmode\copy #1\relax}
14375 \def\bidi@RTL@everypar{{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox
14376   \let\bidi@o@everypar=\everypar
14377   \newtoks\bidi@n@everypar
14378   \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
14379   \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
14380   \let\everypar=\bidi@n@everypar
14381 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}

```





```

14382 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
14383 \protected\def\hboxR{\hbox\bgroup
14384   \everyhbox{%
14385     \aftergroup\egroup
14386     \everyhbox{}}%
14387   \beginR
14388   \@hboxRconstructtrue
14389   \bgroup
14390   \aftergroup\endR
14391   \aftergroup\egroup
14392 } \hbox}
14393 \protected\def\hboxL{\hbox\bgroup
14394   \everyhbox{%
14395     \aftergroup\egroup
14396     \everyhbox{}}%
14397   \beginL
14398   \@hboxRconstructfalse
14399   \bgroup
14400   \aftergroup\endL
14401   \aftergroup\egroup
14402 } \hbox}
14403 \protected\def\vboxR{\vbox\bgroup
14404   \everyvbox{%
14405     \aftergroup\egroup
14406     \everyvbox{}}%
14407   \@RTLtrue
14408   \bgroup
14409   \aftergroup\egroup
14410 } \vbox}
14411 \protected\def\vboxL{\vbox\bgroup
14412   \everyvbox{%
14413     \aftergroup\egroup
14414     \everyvbox{}}%
14415   \@RTLfalse
14416   \bgroup
14417   \aftergroup\egroup
14418 } \vbox}
14419 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
14420 \def\endLTR{\par}
14421 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
14422 \def\endRTL{\par}
14423 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
14424 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
14425 \let\unsetRTL=\setLTR
14426 \let\unsetLTR=\setRTL
14427 \let\LR=\LRE
14428 \let\RL=\RLE
14429 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
14430 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
14431 \let\@ensure@RL=\@ensure@RTL

```



```

14432 \let\@ensure@LR=\@ensure@LTR
14433 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
14434 \let\@ensure@maindir=\@ensure@dir
14435 \def\@RTL{RTL}
14436 \def\@LTR{LTR}
14437 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
14438 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
14439 \let\@TeX\TeX
14440 \def\TeX{\@ensure@LTR{\@TeX}}
14441 \long\def\ bidi@reflect@box#1{%
14442   \leavevmode
14443   \setbox\z@\hbox{{#1}}%
14444   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
14445   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
14446 }
14447 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
14448   \hbox{\kern-.125em\ bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
14449 \let\setRL=\setRTL
14450 \let\setLR=\setLTR
14451 \let\unsetRL=\setLTR
14452 \let\ bidi@samed@eqno=\eqno
14453 \let\ bidi@samed@leqno=\leqno
14454 \def\eqno{\ifnum\predisplaydirection<\z@ \ bidi@samed@leqno \else \ bidi@samed@eqno \fi}
14455 \def\leqno{\ifnum\predisplaydirection<\z@ \ bidi@samed@eqno \else \ bidi@samed@leqno \fi}
14456 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14457 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14458 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

## 7.92 pstricks-xetex-bidi.def

```

14459 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for]
14460 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14461 \def\endpspicture{%
14462   \ifshowgrid\ifnum\showgridp>0
14463     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
14464   \pst@killglue
14465   % \global\pst@shift=\pst@shift% in fact of the following endgroup
14466   \endgroup
14467   \egroup
14468   \ifdim\wd\pst@hbox=\z@\else
14469     %\@pstrickserr{Extraneous space in the pspicture environment}%
14470     %\Type \space <return> \space to proceed.}%
14471   \fi
14472   \ht\pst@hbox=\pst@dimd
14473   \dp\pst@hbox=-\pst@dimb
14474   \setbox\pst@hbox=\hbox{%
14475     \kern-\pst@dimd
14476   % Orig version -----
14477   %\ifx\pst@tempa\@empty\else
14478   %\advance\pst@dimd-\pst@dimb

```



```

14479 %\pst@dimd=\pst@tempa\pst@dimd
14480 %\advance\pst@dimd\pst@dimb
14481 %\lower\pst@dimd
14482 %\fi
14483 %----- end Orig
14484 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
14485 \advance\pst@dimd-\pst@dimb
14486 \pst@dimd=0.5\pst@dimd
14487 \else\pst@dimd-\pst@shift\fi
14488 \advance\pst@dimd\pst@dimb
14489 \lower\pst@dimd
14490 \box\pst@hbox
14491 \kern\pst@dimc}%
14492 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
14493 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
14494 \fboxsep=0pt
14495 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
14496 \ifmmode\else\endL\fi
14497 \endgroup%
14498 \psset[pstricks]{shift=0}% reset value
14499 }

```

### 7.93 quotchap-xetex-bidi.def

```

14500 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for]
14501 \renewcommand{\qauthor}[1]{%
14502 \par\smallskip
14503 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
14504 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
14505 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
14506 {\chapnumfont
14507 \ifnum \c@secnumdepth >\m@ne%
14508 \if@mainmatter\thechapter%
14509 \fi\fi
14510 \par\nobreak}%
14511 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10em
14512 \nobreak\chapterheadendvskip}}
14513 \renewcommand*{\@iprintcites}{%
14514 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
14515 \global\let\@printcites\relax}

```

### 7.94 ragged2e-xetex-bidi.def

```

14516 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for]
14517 \renewcommand{\Centering}{%
14518 \ifx\\ \@raggedtwoe@savedcr
14519 \let\\ \@centercr
14520 \fi
14521 \let\@gnewline\@raggedtwoe@gnewline
14522 \if@RTL\rightrightmargin\else\leftmargin\fi\CenteringLeftskip
14523 \@rightskip\CenteringRightskip

```



```

14524 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14525 \parfillskip\CenteringParfillskip
14526 \parindent\CenteringParindent
14527 \@raggedtwoe@spaceskiptrue
14528 \@raggedtwoe@everyselectfont
14529 }
14530 \renewcommand{\RaggedLeft}{%
14531 \ifx\\ \@raggedtwoe@savedcr
14532 \let\\ \@centercr
14533 \fi
14534 \let\@newline\@raggedtwoe@gnewline
14535 \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
14536 \@rightskip\RaggedLeftRightskip
14537 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14538 \parfillskip\RaggedLeftParfillskip
14539 \parindent\RaggedLeftParindent
14540 \@raggedtwoe@spaceskiptrue
14541 \@raggedtwoe@everyselectfont
14542 }
14543 \renewcommand{\RaggedRight}{%
14544 \ifx\\ \@raggedtwoe@savedcr
14545 \let\\ \@centercr
14546 \fi
14547 \let\@newline\@raggedtwoe@gnewline
14548 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
14549 \@rightskip\RaggedRightRightskip
14550 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14551 \parfillskip\RaggedRightParfillskip
14552 \parindent\RaggedRightParindent
14553 \@raggedtwoe@spaceskiptrue
14554 \@raggedtwoe@everyselectfont
14555 }
14556 \renewcommand{\justifying}{%
14557 \let\\ \@raggedtwoe@savedcr
14558 \let\@newline\@raggedtwoe@saved@gnewline
14559 \if@RTL\rightskip\else\leftskip\fi\z@
14560 \@rightskip\z@
14561 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14562 \parfillskip\JustifyingParfillskip
14563 \parindent\JustifyingParindent
14564 \@raggedtwoe@spaceskipfalse
14565 \@raggedtwoe@everyselectfont
14566 }
14567 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{
14568 \CheckCommand*{\arrayparboxrestore}{%
14569 \let\if@nobreak\iffalse
14570 \let\if@noskipsec\iffalse
14571 \let\par\@par
14572 \let\-\@dischyph
14573 \let\' \@acci\let\` \@accii\let\=\@acciii

```



```

14574 \parindent\z@ \parskip\z@skip
14575 \everypar{}%
14576 \linewidth\hsize
14577 \@totalleftmargin\z@
14578 \if@RTL\righskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\righskip\fi\z@skip \@right
14579 \parfillskip\@flushglue \lineskip\normallineskip
14580 \baselineskip\normalbaselineskip
14581 \sloppy}%
14582 \renewcommand{\@arrayparboxrestore}{%
14583 \let\if@nobreak\iffalse
14584 \let\if@noskipsec\iffalse
14585 \let\par\@par
14586 \let\-\@dischyph
14587 \let'\@acci\let'\@accii\let\=\@acciii
14588 \parskip\z@skip
14589 \everypar{}%
14590 \linewidth\hsize
14591 \@totalleftmargin\z@
14592 \RaggedRight
14593 \lineskip\normallineskip
14594 \baselineskip\normalbaselineskip
14595 \sloppy}%
14596 \let\@raggedtwoe@raggedrightboxes@opt\relax
14597 }
14598 \let\origin@RaggedLeft=\RaggedLeft
14599 \let\origin@RaggedRight=\RaggedRight
14600 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14601 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 7.95 rapport1-xetex-bidi.def

```

14602 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for X
14603 \renewenvironment{theindex}{%
14604 \if@twocolumn
14605 \@restonecolfalse
14606 \else
14607 \@restonecoltrue
14608 \fi
14609 \columnseprule \z@
14610 \columnsep 35\p@
14611 \twocolumn[\@makeschapterhead{\indexname}]}%
14612 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
14613 \thispagestyle{plain}\parindent\z@
14614 \parskip\z@ \@plus .3\p@\relax
14615 \let\item\@idxitem
14616 }{%
14617 \if@restonecol\onecolumn\else\clearpage\fi}
14618 \renewcommand*\head@style{%
14619 \interlinepenalty \@M
14620 \hyphenpenalty=\@M \exhyphenpenalty=\@M

```



```

14621 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14622 \if@titlepage
14623 \renewenvironment{abstract}{%
14624 \titlepage
14625 \null\vfil
14626 \section*{\SectFont\abstractname}%
14627 \noindent\ignorespaces}
14628 {\par\vfil\null\endtitlepage}
14629 \else
14630 \renewenvironment{abstract}{%
14631 \if@twocolumn
14632 \section*{\abstractname}%
14633 \else
14634 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14635 \section*{\small\SectFont\abstractname}%
14636 \noindent\ignorespaces
14637 \fi}
14638 {\if@twocolumn\else\par\egroup\fi}
14639 \fi
14640 \renewcommand*\@regtocline[3]{%
14641 \ifnum #1>\c@tocdepth
14642 \else
14643 \vskip\z@\@plus.2\p@
14644 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14645 \if@RTL\rightskip\else\leftskip\fi\unitindent
14646 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14647 \parfillskip\z@
14648 \@tempdima\unitindent
14649 \parindent\z@
14650 \leavevmode
14651 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14652 \hskip 1em \nobreak{\slshape #3}\par
14653 }%
14654 \fi}
14655 \if@oldtoc
14656 \renewcommand*\l@part[2]{%
14657 \ifnum \c@tocdepth >-2\relax
14658 \addpenalty{-\@highpenalty}%
14659 \addvspace{2.25em \@plus\p@}%
14660 \begingroup
14661 \setlength\@tempdima{3em}%
14662 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14663 \parfillskip -\@pnumwidth
14664 {\leavevmode
14665 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14666 \nobreak
14667 \global\@nobreaktrue
14668 \everypar{\global\@nobreakfalse\everypar{}}%
14669 \endgroup
14670 \fi}

```



```

14671 \else
14672   \renewcommand*\l@part{%
14673     \ifnum \c@tocdepth >-2\relax
14674       \addpenalty{-\@highpenalty}%
14675       \addvspace{2.25em \@plus \p@}%
14676       \@regtocline{0}%
14677     \fi}
14678 \fi
14679 \if@oldtoc
14680 \renewcommand*\l@chapter[2]{%
14681   \addpenalty{-\@highpenalty}%
14682   \vskip 1.0em \@plus\p@
14683   \setlength\@tempdima{1.5em}%
14684   \begingroup
14685   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14686   \parfillskip -\@pnumwidth
14687   \leavevmode \bfseries
14688   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14689   \hskip -\if@RTL\rightskip\else\leftskip\fi
14690   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14691   \penalty\@highpenalty
14692   \endgroup}
14693 \else
14694   \renewcommand*\l@chapter{\@regtocline{0}}
14695 \fi
14696 \renewcommand*\left@footnoterule{%
14697   \kern-3\p@
14698   \kern.5\baselineskip
14699   \hrule\@width\unitindent
14700   \kern.4\baselineskip
14701 }
14702 \renewcommand*\right@footnoterule{%
14703   \kern-3\p@
14704   \kern.5\baselineskip
14705   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14706   \kern.4\baselineskip}
14707 \renewenvironment{thebibliography}[1]
14708   {\chapter*\bibname}%
14709   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14710   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14711   \list{\@biblabel{\@arabic\c@enumiv}}%
14712     {\settowidth\labelwidth{\@biblabel{#1}}%
14713     \leftmargin\labelwidth
14714     \advance\leftmargin\labelsep
14715     \@openbib@code
14716     \usecounter{enumiv}%
14717     \let\p@enumiv\@empty
14718     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14719   \sloppy\clubpenalty4000\widowpenalty4000%
14720   \sfcode`\.\@m}

```



```

14721      {\def\@noitemerr
14722        {\@latex@warning{Empty `thebibliography' environment}}}%
14723      \endlist}
14724 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14725 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14726 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14727 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14728 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14729 \renewcommand*\theequation{%
14730   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14731 \renewcommand*\thefigure{%
14732   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14733 \renewcommand*\thetable{%
14734   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14735 \if@titlepage
14736 \renewcommand*\TitleFont{\rmfamily}
14737 \renewcommand*\maketitle{%
14738   \begin{titlepage}%
14739     \let\footnotesize\small
14740     \let\right@footnoterule\relax
14741     \let\left@footnoterule\relax
14742     \let\textwidth\footnoterule\relax
14743     \let \footnote \thanks
14744     \long\def\@makefntext##1{\parindent\z@
14745       \def\labelitemi{\textendash}\@revlabeltrue
14746       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14747     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14748     \if@compatibility\setcounter{page}{0}\fi
14749     \null\vfil
14750     \vskip 60\p@
14751     \begin{center}%
14752       \TitleFont
14753       {\LARGE \def\{\penalty -\@M}
14754         \if@allcaps
14755           \expandafter\uc@nothanks\@title\thanks\relax
14756         \else
14757           \@title
14758         \fi\par}%
14759       \vskip 3em%
14760       {\large
14761         \lineskip .75em \parindent\z@
14762         \begin{tabular}[t]{c}%
14763           \if@allcaps
14764             \expandafter\uc@authornothanks\@author\and\relax
14765           \else
14766             \@author
14767           \fi
14768         \end{tabular}\par}%
14769       \vskip 1.5em%
14770       {\large

```





```

14771         \if@allcaps
14772             \uppercase\expandafter{\@date}%
14773         \else
14774             \@date
14775         \fi\par}%
14776     \end{center}\par
14777     \@thanks
14778     \vfil\null
14779 \end{titlepage}%
14780 \setcounter{footnote}{0}%
14781 \global\let\thanks\relax
14782 \global\let\maketitle\relax
14783 \global\let\@thanks\@empty
14784 \global\let\@author\@empty
14785 \global\let\@title\@empty
14786 \global\let\@date\@empty
14787 \global\let\title\relax
14788 \global\let\author\relax
14789 \global\let\date\relax
14790 \global\let\and\relax
14791 }
14792 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14793 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14794     \futurelet\@tempa\uc@ax}
14795 \def\uc@ax{%
14796     \ifx\@tempa\relax
14797     \else
14798         \\\andname \\\expandafter\uc@authornothanks
14799     \fi}
14800 \def\uc@tx{\ifx\@tempa\relax
14801     \else \expandafter\uc@ty \fi}
14802 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14803 \else
14804 \renewcommand*\maketitle{\par
14805     \begin{group}
14806         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14807         \def\@makefnmark{\rlap{%
14808             \@textsuperscript{\normalfont\@thefnmark}}}%
14809         \long\def\@makefntext{\@xmakefntext{%
14810             \@textsuperscript{\normalfont\@thefnmark}}}%
14811         \if@twocolumn
14812             \ifnum \col@number=\@ne
14813                 \@maketitle
14814             \else
14815                 \twocolumn[\@maketitle]%
14816             \fi
14817         \else
14818             \newpage
14819             \global\@topnum\z@
14820             \@maketitle

```



```

14821 \fi
14822 \thispagestyle{plain}\@thanks
14823 \endgroup
14824 \setcounter{footnote}{0}%
14825 \global\let\thanks\relax
14826 \global\let\maketitle\relax
14827 \global\let\@maketitle\relax
14828 \global\let\@thanks\@empty
14829 \global\let\@author\@empty
14830 \global\let\@title\@empty
14831 \global\let\@date\@empty
14832 \global\let\title\relax
14833 \global\let\author\relax
14834 \global\let\date\relax
14835 \global\let\and\relax
14836 }
14837 \def\@maketitle{%
14838 \newpage
14839 \null
14840 \vskip 2em%
14841 \begin{center}%
14842 \let \footnote \thanks
14843 {\LARGE \TitleFont \@title \par}%
14844 \vskip 1.5em%
14845 {\large \TitleFont
14846 \lineskip .5em%
14847 \begin{tabular}[t]{c}%
14848 \@author
14849 \end{tabular}\par}%
14850 \vskip 1em%
14851 {\large \TitleFont \@date}%
14852 \end{center}%
14853 \par
14854 \vskip 1.5em}
14855 \fi

```

## 7.96 rapport3-xetex-bidi.def

```

14856 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
14857 \renewenvironment{theindex}{%
14858 \if@twocolumn
14859 \@restonecolfalse
14860 \else
14861 \@restonecoltrue
14862 \fi
14863 \columnseprule \z@
14864 \columnsep 35\p@
14865 \twocolumn[\@makeschapterhead{\indexname}]{%
14866 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
14867 \thispagestyle{plain}\parindent\z@

```



```

14868 \parskip\z@ \@plus .3\p@ \relax
14869 \let\item\idxitem
14870 }{ %
14871 \if@restonecol\onecolumn\else\clearpage\fi}
14872 \if@titlepage
14873 \renewcommand*\TitleFont{\rmfamily}
14874 \renewcommand*\maketitle{%
14875 \begin{titlepage}%
14876 \let\footnotesize\small
14877 \let\right@footnoterule\relax
14878 \let\left@footnoterule\relax
14879 \let\textwidth\footnoterule\relax
14880 \let\footnote\thanks
14881 \let\LTRfootnote\LTRthanks
14882 \let\RTLfootnote\RTLthanks
14883 \long\def\@makefnmark##1{\parindent\z@
14884 \def\labelitemi{\textendash}\@revlabeltrue
14885 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14886 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14887 \if@compatibility\setcounter{page}{0}\fi
14888 \null\vfil
14889 \vskip 60\p@
14890 \begin{center}%
14891 \TitleFont
14892 {\LARGE \def\{\{\penalty -\@M}
14893 \if@allcaps
14894 \expandafter\uc@nothanks\@title\thanks\relax
14895 \else
14896 \@title
14897 \fi\par}%
14898 \vskip 3em%
14899 {\large
14900 \lineskip .75em \parindent\z@
14901 \begin{tabular}[t]{c}%
14902 \if@allcaps
14903 \expandafter\uc@authornothanks\@author\and\relax
14904 \else
14905 \@author
14906 \fi
14907 \end{tabular}\par}%
14908 \vskip 1.5em%
14909 {\large
14910 \if@allcaps
14911 \uppercase\expandafter{\@date}%
14912 \else
14913 \@date
14914 \fi\par}%
14915 \end{center}\par
14916 \@thanks
14917 \vfil\null

```



```

14918 \end{titlepage}%
14919 \setcounter{footnote}{0}%
14920 \global\let\thanks\relax
14921 \global\let\LTRthanks\relax
14922 \global\let\RTLthanks\relax
14923 \global\let\maketitle\relax
14924 \global\let\@thanks\@empty
14925 \global\let\@author\@empty
14926 \global\let\@title\@empty
14927 \global\let\@date\@empty
14928 \global\let\title\relax
14929 \global\let\author\relax
14930 \global\let\date\relax
14931 \global\let\and\relax
14932 }
14933 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14934 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14935   \futurelet\@tempa\uc@ax}
14936 \def\uc@ax{%
14937   \ifx\@tempa\relax
14938   \else
14939     \\\andname \\\expandafter\uc@authornothanks
14940   \fi}
14941 \def\uc@tx{\ifx\@tempa\relax
14942   \else \expandafter\uc@ty \fi}
14943 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14944 \else
14945 \renewcommand*\maketitle{\par
14946   \begingroup
14947     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14948     \def\@makefnmark{\rlap{%
14949       \@textsuperscript{\normalfont\@thefnmark}}}%
14950     \long\def\@makefntext{\@xmakefntext{%
14951       \@textsuperscript{\normalfont\@thefnmark}}}%
14952     \if@twocolumn
14953       \ifnum \col@number=\@ne
14954         \@maketitle
14955       \else
14956         \twocolumn[\@maketitle]%
14957       \fi
14958     \else
14959       \newpage
14960       \global\@topnum\z@
14961       \@maketitle
14962     \fi
14963     \thispagestyle{plain}\@thanks
14964   \endgroup
14965   \setcounter{footnote}{0}%
14966   \global\let\thanks\relax
14967   \global\let\LTRthanks\relax

```



```

14968 \global\let\RTLthanks\relax
14969 \global\let\maketitle\relax
14970 \global\let\@maketitle\relax
14971 \global\let\@thanks\@empty
14972 \global\let\@author\@empty
14973 \global\let\@title\@empty
14974 \global\let\@date\@empty
14975 \global\let\title\relax
14976 \global\let\author\relax
14977 \global\let\date\relax
14978 \global\let\and\relax
14979 }
14980 \def\@maketitle{%
14981   \newpage
14982   \null
14983   \vskip 2em%
14984   \if@titlecentered
14985     \begin{center}%
14986       \let \footnote \thanks
14987       \let \LTRfootnote \LTRthanks
14988       \let \RTLfootnote \RTLthanks
14989       {\LARGE \TitleFont \@title \par}%
14990       \vskip 1.5em%
14991       {\large \TitleFont
14992         \lineskip .5em%
14993         \begin{tabular}[t]{c}%
14994           \@author
14995         \end{tabular}\par}%
14996       \vskip 1em%
14997       {\large \TitleFont \@date}%
14998     \end{center}%
14999   \else
15000     {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
15001     {\large \TitleFont \lineskip .5em \tabcolsep\z@
15002       \def\and{%% \begin{tabular} has already started
15003         \end{tabular}\hskip 1em plus .17fil
15004         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
15005         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
15006       \vskip 1em {\large \TitleFont \@date}
15007     \fi
15008     \par
15009     \vskip 1.5em}
15010 \fi
15011 \renewcommand*\@regtocline[3]{%
15012   \ifnum #1>\c@tocdepth
15013   \else
15014     \vskip\z@\@plus.2\p@
15015     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15016     \if@RTL\rightskip\else\leftskip\fi\unitindent
15017     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil

```



```

15018 \parfillskip\z@
15019 \@tempdima\unitindent
15020 \parindent\z@
15021 \leavevmode
15022 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15023 \hskip 1em \nobreak{\slshape #3}\par
15024 }%
15025 \fi}
15026 \if@oldtoc
15027 \renewcommand*\l@part[2]{%
15028 \ifnum \c@tocdepth >-2\relax
15029 \addpenalty{-\@highpenalty}%
15030 \addvspace{2.25em \@plus\p@}%
15031 \begingroup
15032 \setlength\@tempdima{3em}%
15033 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15034 \parfillskip -\@pnumwidth
15035 {\leavevmode
15036 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15037 \nobreak
15038 \global\@nobreaktrue
15039 \everypar{\global\@nobreakfalse\everypar{}}}%
15040 \endgroup
15041 \fi}
15042 \else
15043 \renewcommand*\l@part{%
15044 \ifnum \c@tocdepth >-2\relax
15045 \addpenalty{-\@highpenalty}%
15046 \addvspace{2.25em \@plus \p@}%
15047 \@regtocline{0}%
15048 \fi}
15049 \fi
15050 \if@oldtoc
15051 \renewcommand*\l@chapter[2]{%
15052 \addpenalty{-\@highpenalty}%
15053 \vskip 1.0em \@plus\p@
15054 \setlength\@tempdima{1.5em}%
15055 \begingroup
15056 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15057 \parfillskip -\@pnumwidth
15058 \leavevmode \bfseries
15059 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15060 \hskip -\if@RTL\rightskip\else\leftskip\fi
15061 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15062 \penalty\@highpenalty
15063 \endgroup}
15064 \else
15065 \renewcommand*\l@chapter{\@regtocline{0}}
15066 \fi
15067 \renewcommand*\head@style{%

```



```

15068 \interlinepenalty \@M
15069 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15070 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15071 \if@titlepage
15072 \renewenvironment{abstract}{%
15073 \titlepage
15074 \null\vfil
15075 \section*{\SectFont\abstractname}%
15076 \noindent\ignorespaces}
15077 {\par\vfil\null\endtitlepage}
15078 \else
15079 \renewenvironment{abstract}{%
15080 \if@twocolumn
15081 \section*{\abstractname}%
15082 \else
15083 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15084 \section*{\small\SectFont\abstractname}%
15085 \noindent\ignorespaces
15086 \fi}
15087 {\if@twocolumn\else\par\egroup\fi}
15088 \fi
15089 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15090 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15091 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15092 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15093 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15094 \renewcommand*\thefigure{%
15095 \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@figure}
15096 \renewcommand*\thetable{%
15097 \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}
15098 \renewcommand*\theequation{%
15099 \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@equation}
15100 \renewenvironment{thebibliography}[1]
15101 {\chapter*{\bibname}%
15102 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15103 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15104 \list{\@biblabel{\@arabic\c@enumiv}}%
15105 {\settowidth\labelwidth{\@biblabel{#1}}%
15106 \leftmargin\labelwidth
15107 \advance\leftmargin\labelsep
15108 \@openbib@code
15109 \usecounter{enumiv}%
15110 \let\p@enumiv\@empty
15111 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15112 \sloppy\clubpenalty4000\widowpenalty4000
15113 \sfcode\.\@m}
15114 {\def\@noitemerr
15115 {\@latex@warning{Empty `thebibliography' environment}}}%
15116 \endlist}
15117 \renewcommand*\left@footnoterule{%

```



```

15118 \kern-3\p@
15119 \kern.5\baselineskip
15120 \hrule\@width\unitindent
15121 \kern.4\baselineskip
15122 }
15123 \renewcommand*\right@footnoterule{%
15124 \kern-3\p@
15125 \kern.5\baselineskip
15126 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15127 \kern.4\baselineskip}
15128 \renewcommand*\head@style{%
15129 \interlinepenalty \@M
15130 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15131 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

## 7.97 refrep-xetex-bidi.def

```

15132 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
15133 \if@titlepage
15134 \renewcommand\maketitle{\begin{titlepage}%
15135 \let\footnotesize\small
15136 \let\right@footnoterule\relax
15137 \let\left@footnoterule\relax
15138 \let\textwidth\footnoterule\relax
15139 \let\footnote\thanks
15140 \let\LTRfootnote\LTRthanks
15141 \let\RTLfootnote\RTLthanks
15142 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15143 \def\@makefnmark%
15144 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15145 \long\def\@makefntext##1{%
15146 \setpar{\@par
15147 \tempdima = \hsize
15148 \advance\tempdima -1em
15149 \parshape \@ne 1em \tempdima}%
15150 \par\parindent 1em \noindent
15151 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15152 \null\vfil
15153 \vskip 60\p@
15154 \begin{center}%
15155 {\LARGE \@title \par}%
15156 \vskip 3em%
15157 {\large
15158 \lineskip .75em%
15159 \begin{tabular}[t]{c}%
15160 \@author
15161 \end{tabular}\par}%
15162 \vskip 1.5em%
15163 {\large \@date \par}% % Set date in \large size.
15164 \end{center}\par

```





```

15165 \@thanks
15166 \vfil\null
15167 \end{titlepage}%
15168 \setcounter{footnote}{0}%
15169 \global\let\thanks\relax
15170 \global\let\LTRthanks\relax
15171 \global\let\RTLthanks\relax
15172 \global\let\maketitle\relax
15173 \global\let\@thanks\@empty
15174 \global\let\@author\@empty
15175 \global\let\@date\@empty
15176 \global\let\@title\@empty
15177 \global\let\title\relax
15178 \global\let\author\relax
15179 \global\let\date\relax
15180 \global\let\and\relax
15181 }
15182 \else
15183 \renewcommand\maketitle{\par
15184 \begingroup
15185 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15186 \def\@makefnmark%
15187 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15188 \long\def\@makefntext##1{%
15189 \setpar{\@par
15190 \@tempdima = \hsize
15191 \advance\@tempdima -1em
15192 \parshape \@ne 1em \@tempdima}%
15193 \par\parindent 1em \noindent
15194 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15195 \if@twocolumn
15196 \ifnum \col@number=\@ne
15197 \@maketitle
15198 \else
15199 \twocolumn[\@maketitle]%
15200 \fi
15201 \else
15202 \newpage
15203 \global\@topnum\z@ % Prevents figures from going at top of page.
15204 \@maketitle
15205 \fi
15206 \thispagestyle{empty}\@thanks
15207 \endgroup
15208 \setcounter{footnote}{0}%
15209 \global\let\thanks\relax
15210 \global\let\LTRthanks\relax
15211 \global\let\RTLthanks\relax
15212 \global\let\maketitle\relax
15213 \global\let\@maketitle\relax
15214 \global\let\@thanks\@empty

```



```

15215 \global\let\@author\@empty
15216 \global\let\@date\@empty
15217 \global\let\@title\@empty
15218 \global\let\title\relax
15219 \global\let\author\relax
15220 \global\let\date\relax
15221 \global\let\and\relax
15222 }
15223 \def\@maketitle{%
15224   \newpage
15225   \null
15226   \longthickrule\vskip1.5em%
15227   \let \footnote \thanks
15228   \let \LTRfootnote \LTRthanks
15229   \let \RTLfootnote \RTLthanks
15230   {\secshape \parskip\z@ \parindent\z@
15231   \Large\bfseries \@title \par}%
15232   \vskip1.5em\longthickrule\vskip1.5em%
15233   {\normalsize
15234     \lineskip .5em%
15235     \begin{flushright}%
15236       {\slshape\@author\par}
15237       \vskip 1em%
15238       {\@date}%
15239     \end{flushright}\par}%
15240   \vskip 1.5em}
15241 \fi
15242 \renewcommand*\l@part[2]{%
15243   \ifnum \c@tocdepth >-2\relax
15244     \addpenalty{-\@highpenalty}%
15245     \addvspace{2.25em \@plus\p@}%
15246     \begingroup
15247       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15248       \parfillskip -\@pnumwidth
15249       {\leavevmode
15250       \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15251       \nobreak
15252       \global\@nobreaktrue
15253       \everypar{\global\@nobreakfalse\everypar{}}%
15254     \endgroup
15255   \fi}
15256 \renewcommand*\l@chapter[2]{%
15257   \ifnum \c@tocdepth >\m@ne
15258     \addpenalty{-\@highpenalty}%
15259     \vskip 1.0em \@plus\p@
15260     \setlength\@tempdima{1.5em}%
15261     \begingroup
15262       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15263       \parfillskip -\@pnumwidth
15264       \leavevmode \bfseries

```



```

15265 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15266 \hskip -\if@RTL\rightskip\else\leftskip\fi
15267 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15268 \penalty\@highpenalty
15269 \endgroup
15270 \fi}
15271 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15272 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15273 \hyphenpenalty=2000}
15274 \renewcommand\left@footnoterule{%
15275 \kern-3\p@
15276 \hrule\@width.4\columnwidth
15277 \kern 2.6\p@}
15278 \renewcommand\right@footnoterule{%
15279 \kern-3\p@
15280 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15281 \kern2.6\p@}
15282 \renewcommand\theequation
15283 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15284 \renewcommand\thefigure
15285 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15286 \renewcommand\thetable%
15287 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15288 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15289 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15290 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15291 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15292 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15293 \renewenvironment{thebibliography}[1]
15294 {\chapter*{\bibname
15295 \mkboth{\bibname}{\bibname}}%
15296 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15297 \list{\@biblabel{\@arabic\c@enumiv}}%
15298 {\settowidth\labelwidth{\@biblabel{#1}}%
15299 \leftmargin\labelwidth
15300 \advance\leftmargin\labelsep
15301 \@openbib@code
15302 \usecounter{enumiv}%
15303 \let\p@enumiv\empty
15304 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15305 \sloppy
15306 \clubpenalty4000
15307 \@clubpenalty \clubpenalty
15308 \widowpenalty4000%
15309 \sfcode`\.=\@m}
15310 {\def\@noitemerr
15311 {\@latex@warning{Empty `thebibliography' environment}}}%
15312 \endlist}

```



## 7.98 report-xetex-bidi.def

```

15313 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
15314 \renewenvironment{theindex}
15315     {\if@twocolumn
15316       \@restonecolfalse
15317       \else
15318         \@restonecoltrue
15319       \fi
15320       \columnseprule \z@
15321       \columnsep 35\p@
15322       \twocolumn[\@makeschapterhead{\indexname}]}%
15323       \@mkboth{\MakeUppercase\indexname}%
15324               {\MakeUppercase\indexname}%
15325       \thispagestyle{plain}\parindent\z@
15326       \parskip\z@ \@plus .3\p@\relax
15327       \let\item\@idxitem}
15328     {\if@restonecol\onecolumn\else\clearpage\fi}
15329 \if@titlepage
15330 \renewcommand\maketitle{\begin{titlepage}%
15331 \let\footnotesize\small
15332 \let\right@footnoterule\relax
15333 \let\left@footnoterule\relax
15334 \let\textwidth\footnoterule\relax
15335 \let \footnote \thanks
15336 \let \LTRfootnote \LTRthanks
15337 \let \RTLfootnote \RTLthanks
15338 \null\vfil
15339 \vskip 60\p@
15340 \begin{center}%
15341   {\LARGE \@title \par}%
15342   \vskip 3em%
15343   {\large
15344     \lineskip .75em%
15345     \begin{tabular}[t]{c}%
15346       \@author
15347     \end{tabular}\par}%
15348     \vskip 1.5em%
15349     {\large \@date \par}%           % Set date in \large size.
15350 \end{center}\par
15351 \@thanks
15352 \vfil\null
15353 \end{titlepage}%
15354 \setcounter{footnote}{0}%
15355 \global\let\thanks\relax
15356 \global\let\LTRthanks\relax
15357 \global\let\RTLthanks\relax
15358 \global\let\maketitle\relax
15359 \global\let\@thanks\@empty
15360 \global\let\@author\@empty

```



```

15361 \global\let\@date\@empty
15362 \global\let\@title\@empty
15363 \global\let\title\relax
15364 \global\let\author\relax
15365 \global\let\date\relax
15366 \global\let\and\relax
15367 }
15368 \else
15369 \renewcommand\maketitle{\par
15370 \begingroup
15371 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15372 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15373 \long\def\@makefntext##1{\parindent 1em\noindent
15374 \hb@xt@1.8em{%
15375 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15376 \if@twocolumn
15377 \ifnum \col@number=\@one
15378 \@maketitle
15379 \else
15380 \twocolumn[\@maketitle]%
15381 \fi
15382 \else
15383 \newpage
15384 \global\@topnum\z@ % Prevents figures from going at top of page.
15385 \@maketitle
15386 \fi
15387 \thispagestyle{plain}\@thanks
15388 \endgroup
15389 \setcounter{footnote}{0}%
15390 \global\let\thanks\relax
15391 \global\let\LTRthanks\relax
15392 \global\let\RTLthanks\relax
15393 \global\let\maketitle\relax
15394 \global\let\@maketitle\relax
15395 \global\let\@thanks\@empty
15396 \global\let\@author\@empty
15397 \global\let\@date\@empty
15398 \global\let\@title\@empty
15399 \global\let\title\relax
15400 \global\let\author\relax
15401 \global\let\date\relax
15402 \global\let\and\relax
15403 }
15404 \def\@maketitle{%
15405 \newpage
15406 \null
15407 \vskip 2em%
15408 \begin{center}%
15409 \let \footnote \thanks
15410 \let \LTRfootnote \LTRthanks

```



```

15411 \let \RTLfootnote \RTLthanks
15412 {\LARGE \@title \par}%
15413 \vskip 1.5em%
15414 {\large
15415 \lineskip .5em%
15416 \begin{tabular}[t]{c}%
15417 \@author
15418 \end{tabular}\par}%
15419 \vskip 1em%
15420 {\large \@date}%
15421 \end{center}%
15422 \par
15423 \vskip 1.5em}
15424 \fi
15425 \renewcommand*\l@part[2]{%
15426 \ifnum \c@tocdepth >-2\relax
15427 \addpenalty{-\@highpenalty}%
15428 \addvspace{2.25em \@plus\p@}%
15429 \setlength\@tempdima{3em}%
15430 \begingroup
15431 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15432 \parfillskip -\@pnumwidth
15433 {\leavevmode
15434 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15435 \nobreak
15436 \global\@nobreaktrue
15437 \everypar{\global\@nobreakfalse\everypar{}}%
15438 \endgroup
15439 \fi}
15440 \renewcommand*\l@chapter[2]{%
15441 \ifnum \c@tocdepth >\m@ne
15442 \addpenalty{-\@highpenalty}%
15443 \vskip 1.0em \@plus\p@
15444 \setlength\@tempdima{1.5em}%
15445 \begingroup
15446 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15447 \parfillskip -\@pnumwidth
15448 \leavevmode \bfseries
15449 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15450 \hskip -\if@RTL\rightskip\else\leftskip\fi
15451 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15452 \penalty\@highpenalty
15453 \endgroup
15454 \fi}
15455 \renewcommand\left@footnoterule{%
15456 \kern-3\p@
15457 \hrule\@width.4\columnwidth
15458 \kern2.6\p@}
15459 \renewcommand\right@footnoterule{%
15460 \kern-3\p@

```



```

15461 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15462 \kern2.6\p@}
15463 \renewcommand\theequation
15464 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15465 \renewcommand \thefigure
15466 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15467 \renewcommand \thetable
15468 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15469 \renewcommand \thechapter {\@arabic\c@chapter}
15470 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15471 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15472 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15473 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15474 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15475 \def\@makechapterhead#1{%
15476 \vspace*{50\p@}%
15477 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15478 \ifnum \c@secnumdepth >\m@ne
15479 \huge\bfseries \@chapapp\space \thechapter
15480 \par\nobreak
15481 \vskip 20\p@
15482 \fi
15483 \interlinepenalty\@M
15484 \Huge \bfseries #1\par\nobreak
15485 \vskip 40\p@
15486 }}
15487 \def\@makeschapterhead#1{%
15488 \vspace*{50\p@}%
15489 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15490 \normalfont
15491 \interlinepenalty\@M
15492 \Huge \bfseries #1\par\nobreak
15493 \vskip 40\p@
15494 }}
15495 \renewenvironment{thebibliography}[1]
15496 {\chapter*{\bibname}%
15497 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15498 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15499 \list{\@biblabel{\@arabic\c@enumiv}}%
15500 {\settowidth\labelwidth{\@biblabel{#1}}%
15501 \leftmargin\labelwidth
15502 \advance\leftmargin\labelsep
15503 \@openbib@code
15504 \usecounter{enumiv}%
15505 \let\p@enumiv\@empty
15506 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15507 \sloppy
15508 \clubpenalty4000
15509 \@clubpenalty \clubpenalty
15510 \widowpenalty4000%

```



```

15511     \sfcode`.\@m}
15512     {\def\@noitemerr
15513       {\@latex@warning{Empty `thebibliography' environment}}}%
15514     \endlist}

```

## 7.99 rotating-xetex-bidi.def

```

15515 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
15516 \def\end@rotfloat{%
15517   \end{minipage}\end{lrbox}%
15518   \stepcounter{r@tfl@t}%
15519   \rot@label{RF\ther@tfl@t}%
15520   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15521   \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
15522   \rot@mess@toks\expandafter{\@tempa}
15523   \wd\rot@float@box\z@
15524   \ht\rot@float@box\z@
15525   \dp\rot@float@box\z@
15526   \vboxL to \textheight{%
15527     \setkeys{Grot}{units=360}%
15528     \if@rot@twoside
15529     \else
15530       \let\R@@page\rot@LR
15531     \fi
15532     \ifthenelse{\isodd{\R@@page}}{%
15533       \if@rot@twoside
15534         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15535       \fi
15536       \vfill
15537       \@@line{%
15538         \hskip\rotFPtop
15539         \rotatebox{90}{\box\rot@float@box}%
15540         \hskip\rotFPbot
15541       }%
15542     }{%
15543       \if@rot@twoside
15544         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15545       \fi
15546       \@@line{%
15547         \hskip\rotFPbot
15548         \rotatebox{-90}{\box\rot@float@box}%
15549         \hskip\rotFPtop
15550       }%
15551       \vfill
15552     }%
15553     \rot@message{\the\rot@mess@toks}
15554   }%
15555   \end@float
15556 }
15557 \let\endsidewaysfigure\end@rotfloat

```





```

15558 \let\endsidewaystable\end@rotfloat
15559 \def\end@rotdblfloat{%
15560   \end{minipage}\end{lrbox}%
15561   \stepcounter{r@tfl@t}%
15562   \rot@label{RF\ther@tfl@t}%
15563   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15564   \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
15565   \rot@mess@toks\expandafter{\@tempa}
15566   \@tempdima\ht\rot@float@box
15567   \advance\@tempdima by \dp\rot@float@box
15568   \wd\rot@float@box\z@
15569   \ht\rot@float@box\z@
15570   \dp\rot@float@box\z@
15571   \vboxL to \textheight{%
15572     \setkeys{Grot}{units=360}%
15573     \if@rot@twoside
15574       \else
15575         \let\R@@page\rot@LR
15576       \fi
15577       \ifthenelse{\isodd{\R@@page}}{%
15578         \ifrot@messages
15579           \if@rot@twoside
15580             \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
15581           \fi
15582           \fi
15583           \vfill
15584           \@@line{%
15585             \hskip\rotFPtop
15586             \rotatebox{90}{\box\rot@float@box}%
15587             \hskip\rotFPbot
15588           }%
15589         }%
15590         \ifrot@messages
15591           \if@rot@twoside
15592             \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15593           \fi
15594           \fi%
15595           \@@line{%
15596             \hskip\rotFPbot
15597             \rotatebox{-90}{\box\rot@float@box}%
15598             \hskip\rotFPtop
15599           }%
15600         \vfill
15601       }%
15602       \rot@message{\the\rot@mess@toks}%
15603     }%
15604   \end@dblfloat
15605 }
15606 \def\turn#1{%
15607   \Grot@setangle{#1}%

```



```

15608 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15609 \def\endturn{%
15610 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15611 \unskip\color@endbox
15612 \Grot@x\z@
15613 \Grot@y\z@
15614 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15615 }
15616 \def\rotate#1{%
15617 \Grot@setangle{#1}%
15618 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15619 \def\endrotate{%
15620 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15621 \unskip\color@endbox
15622 \Grot@x\z@
15623 \Grot@y\z@
15624 \wd0\z@\dp0\z@\ht0\z@
15625 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15626 }
15627 \def\turnbox#1#2{%
15628 \Grot@setangle{#1}%
15629 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15630 \Grot@x\z@\Grot@y\z@
15631 \wd0\z@\dp0\z@\ht0\z@
15632 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15633 }
15634 \def\sideways{%
15635 \Grot@setangle{90}%
15636 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15637 \def\endsideways{%
15638 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15639 \unskip\color@endbox
15640 \Grot@x\z@
15641 \Grot@y\z@
15642 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15643 }

```

## 7.100 scrartcl-xetex-bidi.def

```

15644 \ProvidesFile{scrartcl-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrartcl class for XeTeX]
15645 \newcommand{\scr@saved@LTRfootnotetext}{}
15646 \newcommand{\scr@saved@RTLfootnotetext}{}
15647 \let\scr@saved@footnotetext\@footnotetext
15648 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15649 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15650 \renewcommand{\@footnotetext}[1]{%
15651 \scr@saved@footnotetext{#1}%
15652 \csname FN@mfb@prepare\endcsname
15653 }
15654 \renewcommand{\@LTRfootnotetext}[1]{%

```



```

15655 \scr@saved@LTRfootnotetext{#1}%
15656 \csname FN@mf@prepare\endcsname
15657 }
15658 \renewcommand{\@RTLfootnotetext}[1]{%
15659 \scr@saved@RTLfootnotetext{#1}%
15660 \csname FN@mf@prepare\endcsname
15661 }
15662 \renewcommand\deffootnote[4][1]{%
15663 \long\def\@makefnmark{#1}%
15664 \setlength{\@tempdimc}{#3}%
15665 \def\@tempa{#1}\ifx\@tempa\empty
15666 \setpar{\@par
15667 \@tempdima = \hsize
15668 \addtolength{\@tempdima}{-#2}%
15669 \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15670 \else
15671 \addtolength{\@tempdimc}{#2}%
15672 \addtolength{\@tempdimc}{-#1}%
15673 \setpar{\@par
15674 \@tempdima = \hsize
15675 \addtolength{\@tempdima}{-#1}%
15676 \@tempdimb = \hsize
15677 \addtolength{\@tempdimb}{-#2}%
15678 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15679 }%
15680 \fi
15681 \par
15682 \parindent\@tempdimc\noindent
15683 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15684 }%
15685 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
15686 }
15687 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15688 \renewcommand*\left@footnoterule{%
15689 \normalsize\ftn@rule@test@values
15690 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15691 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15692 {\usekomafont{footnoterule}{%
15693 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15694 \kern 2.6\p@}
15695 \renewcommand*\right@footnoterule{%
15696 \normalsize\ftn@rule@test@values
15697 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15698 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15699 {\usekomafont{footnoterule}{%
15700 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15701 \kern 2.6\p@}
15702 \renewcommand*\maketitle[1][1]{%
15703 \if@titlepage
15704 \begin{titlepage}

```



```

15705 \setcounter{page}{%
15706 #1%
15707 }%
15708 \let\footnotesize\small
15709 \let\right@footnoterule\relax
15710 \let\left@footnoterule\relax
15711 \let\textwidth@footnoterule\relax
15712 \let\footnote\thanks
15713 \let\LTRfootnote\LTRthanks
15714 \let\RTLfootnote\RTLthanks
15715 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15716 \let\oldmakefnmark\makefnmark
15717 \renewcommand*\@makefnmark{\rlap\oldmakefnmark}%
15718 \ifx\extratitle\empty \else
15719 \noindent\extratitle\next@tpage\cleardoubleemptypage
15720 \thispagestyle{empty}%
15721 \fi
15722 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15723 \ifx\@titlehead\empty \else
15724 \begin{minipage}[t]{\textwidth}%
15725 \@titlehead
15726 \end{minipage}\par
15727 \fi
15728 \null\vfill
15729 \begin{center}
15730 \ifx\@subject\empty \else
15731 {\subject@font \@subject \par}%
15732 \vskip 3em
15733 \fi
15734 {\titlefont\huge \@title\par}%
15735 \vskip 1em
15736 {\ifx\@subtitle\empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15737 \vskip 2em
15738 {\Large \lineskip 0.75em
15739 \begin{tabular}[t]{c}
15740 \@author
15741 \end{tabular}\par
15742 }%
15743 \vskip 1.5em
15744 {\Large \@date \par}%
15745 \vskip \z@ \@plus3fill
15746 {\Large \@publishers \par}%
15747 \vskip 3em
15748 \end{center}\par
15749 \@thanks
15750 \vfill\null
15751 \if@twoside\next@tpage
15752 \begin{minipage}[t]{\textwidth}
15753 \@uppertitleback
15754 \end{minipage}\par

```



```

15755         \vfill
15756         \begin{minipage}[b]{\textwidth}
15757             \@lowertitleback
15758         \end{minipage}
15759     \fi
15760     \ifx\@dedication\@empty \else
15761         \next@tpage\null\vfill
15762         {\centering \Large \@dedication \par}%
15763         \vskip \z@ \@plus3fill
15764         \if@twoside \next@tpage\cleardoubleemptypage \fi
15765     \fi
15766     \end{titlepage}
15767 \else
15768     \par
15769     \@tempcnta=%
15770     #1%
15771     \relax\ifnum\@tempcnta=1\else
15772         \ClassWarning{\KOMAClassName}{%
15773             Optional argument of \string\maketitle\space ignored
15774             at\MessageBreak
15775             notitlepage-mode%
15776         }%
15777     \fi
15778     \begingroup
15779         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15780         \let\@oldmakefnmark\@makefnmark
15781         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
15782         \if@twocolumn
15783             \ifnum \col@number=\@ne
15784                 \@maketitle
15785             \else
15786                 \twocolumn[\@maketitle]%
15787             \fi
15788         \else
15789             \newpage
15790             \global\@topnum\z@
15791             \@maketitle
15792         \fi
15793         \thispagestyle{\titlepagestyle}\@thanks
15794     \endgroup
15795 \fi
15796 \setcounter{footnote}{0}%
15797 \let\thanks\relax
15798 \let\LTRthanks\relax
15799 \let\RTLthanks\relax
15800 \let\maketitle\relax
15801 \let\@maketitle\relax
15802 \global\let\@thanks\@empty
15803 \global\let\@author\@empty
15804 \global\let\@date\@empty

```



```

15805 \global\let\@title\@empty
15806 \global\let\@subtitle\@empty
15807 \global\let\@extratitle\@empty
15808 \global\let\@titlehead\@empty
15809 \global\let\@subject\@empty
15810 \global\let\@publishers\@empty
15811 \global\let\@uppertitleback\@empty
15812 \global\let\@lowertitleback\@empty
15813 \global\let\@dedication\@empty
15814 \global\let\author\relax
15815 \global\let\title\relax
15816 \global\let\extratitle\relax
15817 \global\let\titlehead\relax
15818 \global\let\subject\relax
15819 \global\let\publishers\relax
15820 \global\let\uppertitleback\relax
15821 \global\let\lowertitleback\relax
15822 \global\let\dedication\relax
15823 \global\let\date\relax
15824 \global\let\and\relax
15825 }%
15826 \renewcommand*{\@maketitle}{%
15827 \clearpage
15828 \let\footnote\thanks
15829 \let\LTRfootnote\LTRthanks
15830 \let\RTLfootnote\RTLthanks
15831 \ifx\@extratitle\@empty \else
15832 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15833 \fi
15834 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15835 \ifx\@titlehead\@empty \else
15836 \begin{minipage}[t]{\textwidth}
15837 \@titlehead
15838 \end{minipage}\par
15839 \fi
15840 \null
15841 \vskip 2em%
15842 \begin{center}%
15843 \ifx\@subject\@empty \else
15844 {\subject@font \@subject \par}
15845 \vskip 1.5em
15846 \fi
15847 {\titlefont\huge \@title \par}%
15848 \vskip .5em
15849 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15850 \vskip 1em
15851 {\Large
15852 \lineskip .5em%
15853 \begin{tabular}[t]{c}
15854 \@author

```



```

15855     \end{tabular}\par
15856   }%
15857   \vskip 1em%
15858   {\Large \@date \par}%
15859   \vskip \z@ \@plus 1em
15860   {\Large \@publishers \par}
15861   \ifx\@dedication\@empty \else
15862     \vskip 2em
15863     {\Large \@dedication \par}
15864   \fi
15865 \end{center}%
15866 \par
15867 \vskip 2em
15868 }%
15869 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15870 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
15871 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15872 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
15873 \renewcommand*{\thesubsubsection}{%
15874   \thesubsection\@SepMark\@arabic\c@subsubsection
15875 }
15876 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15877 \renewcommand*{\thesubparagraph}{%
15878   \theparagraph\@SepMark\@arabic\c@subparagraph
15879 }
15880 \renewenvironment{thebibliography}[1]{%
15881   \if@bib@break@
15882     \bib@beginhook
15883   \else
15884     \bib@heading
15885     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15886       \noindent\bibpreamble\par\nobreak
15887     \fi\fi
15888     \bib@beginhook
15889     \bib@before@hook
15890   \fi
15891   \renewcommand{\BreakBibliography}[1]{%
15892     \@bib@break
15893     \end{thebibliography}%
15894     \begingroup ##1\endgroup
15895     \begin{thebibliography}{#1}
15896   }%
15897   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15898   \list{%
15899     \@biblabel{\@arabic\c@enumiv}%
15900   }{%
15901     \settowidth\labelwidth{\@biblabel{#1}}%
15902     \leftmargin\labelwidth
15903     \advance\leftmargin\labelsep
15904     \@openbib@code

```



```

15905 \if@bib@break@
15906 \edef\@tempa{%
15907 \noexpand\usecounter{enumiv}%
15908 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15909 }\@tempa
15910 \no@bib@break
15911 \else
15912 \usecounter{enumiv}%
15913 \fi
15914 \let\p@enumiv\@empty
15915 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15916 }%
15917 \sloppy\clubpenalty4000 \widowpenalty4000
15918 \sfcode`\.\=\@m
15919 }{%
15920 \if@bib@break@
15921 \def\@noitemerr{%
15922 \@latex@warning{%
15923 \string\BreakBibliography\space at begin of `thebibliography'
15924 environment\MessageBreak
15925 or following \string\BreakBibliography}%
15926 }%
15927 \else
15928 \def\@noitemerr{%
15929 \@latex@warning{%
15930 Empty `thebibliography' environment or
15931 \string\BreakBibliography\MessageBreak
15932 before end of `thebibliography' environment}%
15933 }%
15934 \fi
15935 \endlist
15936 \if@bib@break@
15937 \else
15938 \bib@after@hook
15939 \let\bib@before@hook\@empty
15940 \let\bib@after@hook\@empty
15941 \fi
15942 \bib@endhook
15943 }
15944 \renewcommand*\left@footnoterule{%
15945 \kern-3\p@
15946 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15947 \hrule\@width.4\columnwidth
15948 \kern 2.6\p@}
15949 \renewcommand*\right@footnoterule{%
15950 \kern-3\p@
15951 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15952 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15953 \kern2.6\p@}
15954 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}

```





```

15955 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15956 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15957 \renewcommand\marginline[1]{%
15958   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15959 }
15960 \renewcommand{\@makecaption}[3]{%
15961   \cap@margin
15962   \ifonelinecaptions
15963     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15964     \let\scr@tmp@footnotetext=\@footnotetext
15965     \let\@footnotetext=\@gobble
15966     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15967     \let\@LTRfootnotetext=\@gobble
15968     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15969     \let\@RTLfootnotetext=\@gobble
15970     \sbox\@tempboxa{%
15971       {\capfont{\strut\ignorespaces
15972         #1{\caplabelfont{#2\captionformat}}}%
15973       #3\unskip\strut}}%
15974     }%
15975     \let\@footnotetext=\scr@tmp@footnotetext
15976     \let\scr@tmp@footnotetext=\undefined
15977     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15978     \let\scr@tmp@LTRfootnotetext=\undefined
15979     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15980     \let\scr@tmp@RTLfootnotetext=\undefined
15981     \setcounter{footnote}{\@tempcntb}%
15982     \setcounter{mpfootnote}{\@tempcnta}%
15983   \else
15984     \sbox\@tempboxa{\hspace*{2\cap@width}}%
15985   \fi
15986   \begingroup%
15987     \setlength{\@tempdima}{\cap@width}%
15988     \ifdim \wd\@tempboxa >\@tempdima
15989       \hb@xt@\hsize{%
15990         \setbox\@tempboxa\vbox{\hsize=\cap@width
15991           \ifdofullc@p
15992             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15993               #1{\caplabelfont{#2\captionformat}}}}}%
15994             {#3\unskip\strut\par}}}%
15995         \else%
15996           \ifdim\cap@indent<\z@
15997             {\capfont{\strut\ignorespaces
15998               #1{\caplabelfont{#2\captionformat\par}}}%
15999             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16000         \else%
16001           \if@capbreak
16002             {\capfont{\strut\ignorespaces
16003               #1{\caplabelfont{#2\captionformat\par}}}%
16004             \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%

```



```

16005         \else
16006         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
16007          {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16008           {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
16009         \fi
16010       \fi
16011     \fi
16012   }%
16013   \setlength{\@tempdima}{\ht\@tempboxa}%
16014   \addtolength{\@tempdima}{\dp\@tempboxa}%
16015   \addtolength{\@tempdima}{-\ht\strutbox}%
16016   \ht\@tempboxa\ht\strutbox
16017   \dp\@tempboxa\@tempdima
16018   \strut\cap@left
16019   \box\@tempboxa
16020   \cap@right\strut
16021 }%
16022 \else
16023   \global \@minipagefalse
16024   \sbox\@tempboxa{%
16025     {\capfont{\scr@smashdp{\strut\ignorespaces
16026      #1{\caplabelfont{#2\captionformat}}}\#3}}}%
16027   }%
16028   {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
16029   \fi
16030   \endgroup
16031 }
16032 }
16033 \renewcommand{\@makecaption}[2]{%
16034   \if@captionabove
16035     \vskip\belowcaptionskip
16036   \else
16037     \vskip\abovecaptionskip
16038   \fi
16039   \@makecaption\@firstofone{#1}{#2}%
16040   \if@captionabove
16041     \vskip\abovecaptionskip
16042   \else
16043     \vskip\belowcaptionskip
16044   \fi
16045 }
16046 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16047   \@ifpackageloaded{caption2}{\@komalongtablefalse
16048     \scr@caption@before@longtable@warning{caption2}%
16049   }{}%
16050   \if@komalongtable
16051     \renewcommand{\LT@makecaption}[3]{%
16052       \noalign{%
16053         \if@captionabove
16054           \vskip\belowcaptionskip

```



```

16055         \else
16056             \vskip\abovecaptionskip
16057         \fi
16058     }%
16059     \LT@mcol\LT@cols c{%
16060         \hbox to\z@{\hss\parbox[t]{\linewidth{%
16061             \@makecaption{#1}{#2}{#3}%
16062             \endgraf
16063             \if@captionabove
16064                 \vskip\abovecaptionskip
16065             \else
16066                 \vskip\belowcaptionskip
16067             \fi
16068         }%
16069         \hss
16070     }%
16071 }%
16072 }%
16073 \renewcommand*{\scr@LT@array}{}%
16074 \let\scr@LT@array=\LT@array
16075 \renewcommand*{\LT@array}{%
16076     \let\scr@caption=\LT@caption
16077     \def\captionabove{\noalign{\global\@captionabovetrue}%
16078         \scr@caption}%
16079     \def\captionbelow{\noalign{\global\@captionabovetrue}%
16080         \scr@caption}%
16081     \if@tablecaptionabove
16082         \let\LT@caption=\captionabove
16083     \else
16084         \let\LT@caption=\captionbelow
16085     \fi
16086     \scr@LT@array
16087 }%
16088 \ClassInfo{\KOMAClassName}{%
16089     longtable captions redefined%
16090 }%
16091 \fi
16092 }
16093
16094 \CloneTOCEntryStyle{tocline}{part}
16095 \TOCEntryStyleStartInitCode{part}{%
16096     \expandafter\renewcommand%
16097     \csname scr@tso@#1@linefill\endcsname{\hfill}%
16098     \expandafter\renewcommand%
16099     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16100     \expandafter\renewcommand%
16101     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16102         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16103     \expandafter\renewcommand\expandafter*%
16104     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%

```



```

16105 }
16106
16107 \CloneTOCEntryStyle{tocline}{section}
16108 \TOCEntryStyleStartInitCode{section}{%
16109   \expandafter\renewcommand%
16110   \csname scr@tso@#1@linefill\endcsname{%
16111     \if@sectionentrywithdots
16112       \TOCLineLeaderFill\relax
16113     \else
16114       \hfill
16115     \fi
16116   }%
16117   % F  fcr die Eintr  e4ge die Schrift von Element sectionentry verwenden.
16118   \expandafter\renewcommand%
16119   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16120   \expandafter\renewcommand%
16121   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{sec
16122   \expandafter\renewcommand\expandafter*%
16123   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
16124 }
16125
16126 \CloneTOCEntryStyle{tocline}{subsection}
16127 \TOCEntryStyleStartInitCode{subsection}{%
16128   \expandafter\renewcommand%
16129   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16130 }
16131
16132 \CloneTOCEntryStyle{subsection}{default}
16133
16134 \DeclareSectionCommand[%
16135   style=part,%
16136   level=\z@,%
16137   tocstyle=part,%
16138   toplevel=\m@ne,%
16139   tocindent=\z@,%
16140   tocnumwidth=2em%
16141 ]{part}
16142 \DeclareSectionCommand[%
16143   style=section,%
16144   level=1,%
16145   indent=\z@,%
16146   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
16147   afterskip=2.3ex \@plus.2ex,%
16148   tocstyle=section,%
16149   tocindent=0pt,%
16150   tocnumwidth=1.5em%
16151 ]{section}
16152 \DeclareSectionCommand[%
16153   style=section,%
16154   level=2,%

```



```

16155 indent=\z@,%
16156 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16157 afterskip=1.5ex \@plus .2ex,%
16158 tocstyle=subsection,%
16159 tocindent=1.5em,%
16160 tocnumwidth=2.3em%
16161 ]{subsection}
16162 \DeclareSectionCommand[%
16163 style=section,%
16164 level=3,%
16165 indent=\z@,%
16166 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16167 afterskip=1.5ex \@plus .2ex,%
16168 tocstyle=subsection,%
16169 tocindent=3.8em,%
16170 tocnumwidth=3.2em%
16171 ]{subsubsection}
16172 \DeclareSectionCommand[%
16173 style=section,%
16174 level=4,%
16175 indent=\z@,%
16176 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
16177 afterskip=-1em,%
16178 tocstyle=subsection,%
16179 tocindent=7.0em,%
16180 tocnumwidth=4.1em%
16181 ]{paragraph}
16182 \DeclareSectionCommand[%
16183 style=section,%
16184 level=5,%
16185 indent=\scr@parindent,%
16186 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
16187 afterskip=-1em,%
16188 tocstyle=subsection,%
16189 tocindent=10em,%
16190 tocnumwidth=5em%
16191 ]{subparagraph}

```

## 7.101 scrbook-xetex-bidi.def

```

16192 \ProvidesFile{scrbook-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrbook class for XeTeX]
16193 \newcommand{\scr@saved@LTRfootnotetext}{}
16194 \newcommand{\scr@saved@RTLfootnotetext}{}
16195 \let\scr@saved@footnotetext\@footnotetext
16196 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16197 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16198 \renewcommand{\@footnotetext}[1]{%
16199 \scr@saved@footnotetext{#1}%
16200 \csize FN@mfb@prepare\endcsize
16201 }

```



```

16202 \renewcommand{\@LTRfootnotetext}[1]{%
16203   \scr@saved@LTRfootnotetext{#1}%
16204   \csname FN@mfb@prepare\endcsname
16205 }
16206 \renewcommand{\@RTLfootnotetext}[1]{%
16207   \scr@saved@RTLfootnotetext{#1}%
16208   \csname FN@mfb@prepare\endcsname
16209 }
16210 \renewcommand\deffootnote[4][1]{%
16211   \long\def\@makefnmark##1{%
16212     \setlength{\@tempdimc}{#3}%
16213     \def\@tempa{#1}\ifx\@tempa\@empty
16214       \setpar{\@par
16215         \@tempdima = \hsize
16216         \addtolength{\@tempdima}{-#2}%
16217         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16218       \else
16219         \addtolength{\@tempdimc}{#2}%
16220         \addtolength{\@tempdimc}{-#1}%
16221         \setpar{\@par
16222           \@tempdima = \hsize
16223           \addtolength{\@tempdima}{-#1}%
16224           \@tempdimb = \hsize
16225           \addtolength{\@tempdimb}{-#2}%
16226           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16227         }%
16228       \fi
16229     \par
16230     \parindent\@tempdimc\noindent
16231     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16232   }%
16233   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16234 }
16235 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16236 \renewcommand*\left@footnoterule{%
16237   \normalsize\ftn@rule@test@values
16238   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16239   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16240   {\usekomafont{footnoterule}{%
16241     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16242   \kern 2.6\p@}
16243 \renewcommand*\right@footnoterule{%
16244   \normalsize\ftn@rule@test@values
16245   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16246   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16247   {\usekomafont{footnoterule}{%
16248     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16249     \kern 2.6\p@}
16250 \renewcommand*\maketitle[1][1]{%
16251   \if@titlepage

```



```

16252 \begin{titlepage}
16253   \setcounter{page}{%
16254     #1%
16255   }%
16256   \let\footnotesize\small
16257   \let\right@footnoterule\relax
16258   \let\left@footnoterule\relax
16259   \let\textwidth@footnoterule\relax
16260   \let\footnote\thanks
16261   \let\LTRfootnote\LTRthanks
16262   \let\RTLfootnote\RTLthanks
16263   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16264   \let\@oldmakefnmark\@makefnmark
16265   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16266   \ifx\@extratitle\@empty \else
16267     \noindent\@extratitle\next@tpage\cleardoubleemptypage
16268     \thispagestyle{empty}%
16269   \fi
16270   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16271   \ifx\@titlehead\@empty \else
16272     \begin{minipage}[t]{\textwidth}%
16273       \@titlehead
16274     \end{minipage}\par
16275   \fi
16276   \null\vfill
16277   \begin{center}
16278     \ifx\@subject\@empty \else
16279       {\subject@font \@subject \par}%
16280       \vskip 3em
16281     \fi
16282     {\titlefont\huge \@title\par}%
16283     \vskip 1em
16284     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16285     \vskip 2em
16286     {\Large \lineskip 0.75em
16287       \begin{tabular}[t]{c}
16288         \@author
16289       \end{tabular}\par
16290     }%
16291     \vskip 1.5em
16292     {\Large \@date \par}%
16293     \vskip \z@ \@plus3fill
16294     {\Large \@publishers \par}%
16295     \vskip 3em
16296   \end{center}\par
16297   \@thanks
16298   \vfill\null
16299   \if@twoside\next@tpage
16300     \begin{minipage}[t]{\textwidth}
16301       \@uppertitleback

```



```

16302         \end{minipage}\par
16303         \vfill
16304         \begin{minipage}[b]{\textwidth}
16305             \@lowertitleback
16306         \end{minipage}
16307     \fi
16308     \ifx\@dedication\@empty \else
16309         \next@tpage\null\vfill
16310         {\centering \Large \@dedication \par}%
16311         \vskip \z@ \@plus3fill
16312         \if@twoside \next@tpage\cleardoubleemptypage \fi
16313     \fi
16314     \end{titlepage}
16315 \else
16316     \par
16317     \@tempcnta=%
16318     #1%
16319     \relax\ifnum\@tempcnta=1\else
16320         \ClassWarning{\KOMAClassName}{%
16321             Optional argument of \string\maketitle\space ignored
16322             at\MessageBreak
16323             notitlepage-mode%
16324         }%
16325     \fi
16326     \begingroup
16327         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16328         \let\oldmakefnmark\makefnmark
16329         \renewcommand*{\@makefnmark}{\rlap\oldmakefnmark}
16330         \if@twocolumn
16331             \ifnum \col@number=\@ne
16332                 \@maketitle
16333             \else
16334                 \twocolumn[\@maketitle]%
16335             \fi
16336         \else
16337             \newpage
16338             \global\@topnum\z@
16339             \@maketitle
16340         \fi
16341         \thispagestyle{\titlepagestyle}\@thanks
16342     \endgroup
16343     \fi
16344     \setcounter{footnote}{0}%
16345     \let\thanks\relax
16346     \let\LTRthanks\relax
16347     \let\RTLthanks\relax
16348     \let\maketitle\relax
16349     \let\@maketitle\relax
16350     \global\let\@thanks\@empty
16351     \global\let\@author\@empty

```





```

16352 \global\let\@date\@empty
16353 \global\let\@title\@empty
16354 \global\let\@subtitle\@empty
16355 \global\let\@extratitle\@empty
16356 \global\let\@titlehead\@empty
16357 \global\let\@subject\@empty
16358 \global\let\@publishers\@empty
16359 \global\let\@uppertitleback\@empty
16360 \global\let\@lowertitleback\@empty
16361 \global\let\@dedication\@empty
16362 \global\let\author\relax
16363 \global\let\title\relax
16364 \global\let\extratitle\relax
16365 \global\let\titlehead\relax
16366 \global\let\subject\relax
16367 \global\let\publishers\relax
16368 \global\let\uppertitleback\relax
16369 \global\let\lowertitleback\relax
16370 \global\let\dedication\relax
16371 \global\let\date\relax
16372 \global\let\and\relax
16373 }%
16374 \renewcommand*{\@maketitle}{%
16375 \clearpage
16376 \let\footnote\thanks
16377 \let\LTRfootnote\LTRthanks
16378 \let\RTLfootnote\RTLthanks
16379 \ifx\@extratitle\@empty \else
16380 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16381 \fi
16382 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16383 \ifx\@titlehead\@empty \else
16384 \begin{minipage}[t]{\textwidth}
16385 \@titlehead
16386 \end{minipage}\par
16387 \fi
16388 \null
16389 \vskip 2em%
16390 \begin{center}%
16391 \ifx\@subject\@empty \else
16392 {\subject@font \@subject \par}
16393 \vskip 1.5em
16394 \fi
16395 {\titlefont\huge \@title \par}%
16396 \vskip .5em
16397 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16398 \vskip 1em
16399 {\Large
16400 \lineskip .5em%
16401 \begin{tabular}[t]{c}

```



```

16402         \@author
16403         \end{tabular}\par
16404     }%
16405     \vskip 1em%
16406     {\Large \@date \par}%
16407     \vskip \z@ \@plus 1em
16408     {\Large \@publishers \par}
16409     \ifx\@dedication\@empty \else
16410         \vskip 2em
16411         {\Large \@dedication \par}
16412     \fi
16413 \end{center}%
16414 \par
16415 \vskip 2em
16416 }%
16417 \def\raggedsection{\ifRTL\raggedleft\else\raggedright\fi}
16418 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16419 \renewcommand*\thesection{%
16420     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16421         \if@mainmatter\thechapter\@SepMark\fi
16422     \else
16423         \thechapter\@SepMark%
16424     \fi
16425     \@arabic\c@section
16426 }
16427 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16428 \renewcommand*{\thesubsubsection}{%
16429     \thesubsection\@SepMark\@arabic\c@subsubsection
16430 }
16431 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16432 \renewcommand*{\thesubparagraph}{%
16433     \theparagraph\@SepMark\@arabic\c@subparagraph
16434 }
16435 \renewcommand*\thefigure{%
16436     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16437         \if@mainmatter\thechapter\@SepMark\fi
16438     \else
16439         \thechapter\@SepMark%
16440     \fi
16441     \@arabic\c@figure
16442 }
16443 \renewcommand*\thetable{%
16444     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16445         \if@mainmatter\thechapter\@SepMark\fi
16446     \else
16447         \thechapter\@SepMark%
16448     \fi
16449     \@arabic\c@table
16450 }
16451 \renewcommand*\theequation{%

```



```

16452 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16453 \if@mainmatter\thechapter\@SepMark\fi
16454 \else
16455 \thechapter\@SepMark%
16456 \fi
16457 \@arabic\c@equation
16458 }
16459 \renewenvironment{thebibliography}[1]{%
16460 \if@bib@break@
16461 \bib@beginhook
16462 \else
16463 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16464 \setchapterpreamble{\bibpreamble}%
16465 \fi\fi
16466 \bib@heading
16467 \bib@beginhook
16468 \bib@before@hook
16469 \fi
16470 \renewcommand{\BreakBibliography}[1]{%
16471 \@bib@break
16472 \end{thebibliography}%
16473 \begingroup ##1\endgroup
16474 \begin{thebibliography}{#1}
16475 }%
16476 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16477 \list{%
16478 \@biblabel{\@arabic\c@enumiv}%
16479 }{%
16480 \settowidth\labelwidth{\@biblabel{#1}}%
16481 \leftmargin\labelwidth
16482 \advance\leftmargin\labelsep
16483 \@openbib@code
16484 \if@bib@break@
16485 \edef\@tempa{%
16486 \noexpand\usecounter{enumiv}%
16487 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16488 }\@tempa
16489 \no@bib@break
16490 \else
16491 \usecounter{enumiv}%
16492 \fi
16493 \let\p@enumiv\@empty
16494 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16495 }%
16496 \sloppy\clubpenalty4000 \widowpenalty4000
16497 \sfcode`\.\=@m
16498 }{%
16499 \if@bib@break@
16500 \def\@noitemerr{%
16501 \@latex@warning{%

```



```

16502         \string\BreakBibliography\space at begin of `thebibliography'
16503         environment\MessageBreak
16504         or following \string\BreakBibliography}%
16505     }%
16506 \else
16507     \def\@noitemerr{%
16508         \@latex@warning{%
16509             Empty `thebibliography' environment or
16510             \string\BreakBibliography\MessageBreak
16511             before end of `thebibliography' environment}%
16512     }%
16513 \fi
16514 \endlist
16515 \if@bib@break@
16516 \else
16517     \bib@after@hook
16518     \let\bib@before@hook\@empty
16519     \let\bib@after@hook\@empty
16520 \fi
16521 \bib@endhook
16522 }
16523 \renewcommand*\left@footnoterule{%
16524     \kern-3\p@
16525     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16526     \hrule\@width.4\columnwidth
16527     \kern 2.6\p@}
16528 \renewcommand*\right@footnoterule{%
16529     \kern-3\p@
16530     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16531     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16532     \kern2.6\p@}
16533 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16534 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16535 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16536 \renewcommand\marginline[1]{%
16537     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16538 }
16539 \renewcommand{\@makecaption}[3]{%
16540     \cap@margin
16541     \ifonelinecaptions
16542         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16543         \let\scr@tmp@footnotetext=\@footnotetext
16544         \let\@footnotetext=\@gobble
16545         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16546         \let\@LTRfootnotetext=\@gobble
16547         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16548         \let\@RTLfootnotetext=\@gobble
16549         \sbox\@tempboxa{%
16550             {\capfont{\strut\ignorespaces
16551                 #1{\caplabelfont{#2\captionformat}}}}%

```



```

16552         #3\unskip\strut}}%
16553     }%
16554     \let\@footnotetext=\scr@tmp@footnotetext
16555     \let\scr@tmp@footnotetext=\undefined
16556     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16557     \let\scr@tmp@LTRfootnotetext=\undefined
16558     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16559     \let\scr@tmp@RTLfootnotetext=\undefined
16560     \setcounter{footnote}{\@tempcntb}%
16561     \setcounter{mpfootnote}{\@tempcnta}%
16562 \else
16563     \sbox\@tempboxa{\hspace*{2\cap@width}}%
16564 \fi
16565 \beginingroup%
16566     \setlength{\@tempdima}{\cap@width}%
16567     \ifdim \wd\@tempboxa >\@tempdima
16568         \hb@xt@\hsize{%
16569             \setbox\@tempboxa\vbox{\hsize=\cap@width
16570                 \ifdofullc@p
16571                     {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16572                         #1{\caplabelfont{#2\captionformat\par}}}}%
16573                         {#3\unskip\strut\par}}}%
16574                 \else%
16575                     \ifdim\cap@indent<\z@
16576                         {\capfont{\strut\ignorespaces
16577                             #1{\caplabelfont{#2\captionformat\par}}}%
16578                             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16579                     \else%
16580                         \if@capbreak
16581                             {\capfont{\strut\ignorespaces
16582                                 #1{\caplabelfont{#2\captionformat\par}}}%
16583                                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16584                             \else
16585                                 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16586                                     {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16587                                         {\caplabelfont{#2\captionformat\par}}}}#3\unskip\strut\par}}}%
16588                                 \fi
16589                             \fi
16590                         \fi
16591                 }%
16592                 \setlength{\@tempdima}{\ht\@tempboxa}%
16593                 \addtolength{\@tempdima}{\dp\@tempboxa}%
16594                 \addtolength{\@tempdima}{-\ht\strutbox}%
16595                 \ht\@tempboxa\ht\strutbox
16596                 \dp\@tempboxa\@tempdima
16597                 \strut\cap@left
16598                 \box\@tempboxa
16599                 \cap@right\strut
16600             }%
16601 \else

```



```

16602     \global \@minipagefalse
16603     \sbox\@tempboxa{%
16604         {\capfont{\scr@smashdp{\strut\ignorespaces
16605             #1{\caplabelfont{#2\captionformat}}}}}%
16606         #3}}%
16607     }%
16608     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
16609     \fi
16610     \endgroup
16611 }
16612 \renewcommand{\@makecaption}[2]{%
16613     \if@captionabove
16614         \vskip\belowcaptionskip
16615     \else
16616         \vskip\abovecaptionskip
16617     \fi
16618     \@makecaption\@firstofone{#1}{#2}%
16619     \if@captionabove
16620         \vskip\abovecaptionskip
16621     \else
16622         \vskip\belowcaptionskip
16623     \fi
16624 }
16625 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16626     \@ifpackageloaded{caption2}{\@komalongtablefalse
16627         \scr@caption@before@longtable@warning{caption2}%
16628     }{}%
16629     \if@komalongtable
16630         \renewcommand{\LT@makecaption}[3]{%
16631             \noalign{%
16632                 \if@captionabove
16633                     \vskip\belowcaptionskip
16634                 \else
16635                     \vskip\abovecaptionskip
16636                 \fi
16637             }%
16638             \LT@mcol\LT@cols c{%
16639                 \hbox to\z@{\hss\parbox[t]{\linewidth{%
16640                     \@makecaption{#1}{#2}{#3}%
16641                 }}
16642                 \endgraf
16643                 \if@captionabove
16644                     \vskip\abovecaptionskip
16645                 \else
16646                     \vskip\belowcaptionskip
16647                 \fi
16648             }%
16649             \hss
16650         }%
16651     }%

```



```

+6652 \renewcommand*{\scr@LT@array}{}%
+6653 \let\scr@LT@array=\LT@array
+6654 \renewcommand*{\LT@array}{%
+6655 \let\scr@caption=\LT@caption
+6656 \def\captionabove{\noalign{\global\@captionabovetrue}%
+6657 \scr@caption}%
+6658 \def\captionbelow{\noalign{\global\@captionabovefalse}%
+6659 \scr@caption}%
+6660 \if@tablecaptionabove
+6661 \let\LT@caption=\captionabove
+6662 \else
+6663 \let\LT@caption=\captionbelow
+6664 \fi
+6665 \scr@LT@array
+6666 }%
+6667 \ClassInfo{\KOMAClassName}{%
+6668 longtable captions redefined%
+6669 }%
+6670 \fi
+6671 }
+6672
+6673 \CloneTOCEntryStyle{tocline}{part}
+6674 \TOCEntryStyleStartInitCode{part}{%
+6675 \expandafter\renewcommand%
+6676 \csname scr@tso@#1@linefill\endcsname{\hfill}%
+6677 \expandafter\renewcommand%
+6678 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
+6679 \expandafter\renewcommand%
+6680 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
+6681 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
+6682 \expandafter\renewcommand\expandafter*%
+6683 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
+6684 }
+6685
+6686 \CloneTOCEntryStyle{tocline}{chapter}
+6687 \TOCEntryStyleStartInitCode{chapter}{%
+6688 \expandafter\renewcommand%
+6689 \csname scr@tso@#1@linefill\endcsname{%
+6690 \if@chapterentrywithdots
+6691 \TOCLineLeaderFill\relax
+6692 \else
+6693 \hfill
+6694 \fi
+6695 }%
+6696 \expandafter\renewcommand%
+6697 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
+6698 \expandafter\renewcommand%
+6699 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
+6700 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
+6701 \expandafter\renewcommand\expandafter*%

```



```

16702 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16703 }
16704
16705 \CloneTOCEntryStyle{tocline}{section}
16706 \TOCEntryStyleStartInitCode{section}{%
16707   \expandafter\renewcommand%
16708   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16709 }
16710
16711 \CloneTOCEntryStyle{section}{default}
16712
16713 \DeclareSectionCommand[%
16714   style=part,%
16715   level=\m@ne,%
16716   pagestyle=plain,%
16717   tocstyle=part,%
16718   toclevel=\m@ne,%
16719   tocindent=\z@,%
16720   tocnumwidth=2em%
16721 ]{part}
16722 \DeclareSectionCommand[%
16723   style=chapter,%
16724   level=\z@,%
16725   pagestyle=plain,%
16726   tocstyle=chapter,%
16727   tocindent=\z@,%
16728   tocnumwidth=1.5em%
16729 ]{chapter}
16730 \DeclareSectionCommand[%
16731   style=section,%
16732   level=1,%
16733   indent=\z@,%
16734   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
16735   afterskip=2.3ex \@plus .2ex,%
16736   tocstyle=section,%
16737   tocindent=1.5em,%
16738   tocnumwidth=2.3em%
16739 ]{section}
16740 \DeclareSectionCommand[%
16741   style=section,%
16742   level=2,%
16743   indent=\z@,%
16744   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
16745   afterskip=1.5ex \@plus .2ex,%
16746   tocstyle=section,%
16747   tocindent=3.8em,%
16748   tocnumwidth=3.2em%
16749 ]{subsection}
16750 \DeclareSectionCommand[%
16751   style=section,%

```





```

16752 level=3,%
16753 indent=\z@,%
16754 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16755 afterskip=1.5ex \@plus .2ex,%
16756 tocstyle=section,%
16757 tocindent=7.0em,%
16758 tocnumwidth=4.1em%
16759 ]{subsubsection}
16760 \DeclareSectionCommand[%
16761 style=section,%
16762 level=4,%
16763 indent=\z@,%
16764 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
16765 afterskip=-1em,%
16766 tocstyle=section,%
16767 tocindent=10em,%
16768 tocnumwidth=5em%
16769 ]{paragraph}
16770 \DeclareSectionCommand[%
16771 style=section,%
16772 level=5,%
16773 indent=\scr@parindent,%
16774 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
16775 afterskip=-1em,%
16776 tocstyle=section,%
16777 tocindent=12em,%
16778 tocnumwidth=6em%
16779 ]{subparagraph}
16780
16781

```

## 7.102 scrlettr-xetex-bidi.def

```

16782 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for X
16783 \renewcommand\deffootnote[4] []{%
16784 \long\def\@makefntext##1{%
16785 \edef\@tempa{#1}\ifx\@tempa\@empty
16786 \setpar{\@par
16787 \tempdima = \hsize
16788 \addtolength{\tempdima}{-#2}
16789 \ifRTL\parshape \@ne Opt \tempdima\else\parshape \@ne #2 \tempdima\fi}%
16790 \else
16791 \setpar{\@par
16792 \tempdima = \hsize
16793 \addtolength{\tempdima}{-#1}
16794 \tempdimb = \hsize
16795 \addtolength{\tempdimb}{-#2}
16796 \ifRTL\parshape \tw@ Opt \tempdima Opt \tempdimb\else\parshape \tw@ #1 \tempdima #2 \t
16797 \fi
16798 \par

```



```

16799 \parindent #3\noindent
16800 \hbox to \z@{\hss\@makefnmark}##1}
16801 \def\@makefnmark{\hbox{#4}}
16802 }
16803 \deffootnote[1em]{1.5em}{1em}
16804 {\textsuperscript{\thefootnotemark}}
16805 \def\left@footnoterule{\kern-1\p@
16806 \hrule width 0.4\columnwidth
16807 \kern .6\p@}
16808 \def\right@footnoterule{%
16809 \kern-1\p@
16810 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16811 \kern .6\p@}
16812 \def\@datefield{\@reffalse
16813 \ifx\varyourref\@empty \else \@reftrue \fi
16814 \ifx\varyourmail\@empty \else \@reftrue \fi
16815 \ifx\varmyref\@empty \else \@reftrue \fi
16816 \ifx\varcustomer\@empty \else \@reftrue \fi
16817 \ifx\varinvoice\@empty \else \@reftrue \fi
16818 \ifx\varrefitemi\@empty \else \@reftrue \fi
16819 \ifx\varrefitemii\@empty \else \@reftrue \fi
16820 \ifx\varrefitemiii\@empty \else \@reftrue \fi
16821 \vskip -\parskip
16822 \vskip \refvskip
16823 \if@ref
16824 \ifx\varyourref\@empty \else
16825 \settowidth{\sc@temp}{\varyourref}
16826 \setbox0\hbox{\scriptsize \sf \yourrefname}
16827 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16828 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
16829 \fi
16830 \ifx\varyourmail\@empty \else
16831 \settowidth{\sc@temp}{\varyourmail}
16832 \setbox0\hbox{\scriptsize \sf \yourmailname}
16833 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16834 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
16835 \fi
16836 \ifx\varmyref\@empty \else
16837 \settowidth{\sc@temp}{\varmyref}
16838 \setbox0\hbox{\scriptsize \sf \myrefname}
16839 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16840 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
16841 \fi
16842 \ifx\varcustomer\@empty \else
16843 \settowidth{\sc@temp}{\varcustomer}
16844 \setbox0\hbox{\scriptsize \sf \customername}
16845 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16846 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
16847 \fi
16848 \ifx\varinvoice\@empty \else

```



```

+6849 \settowidth{\sc@temp}{\varinvoice}
+6850 \setbox0\hbox{\scriptsize \sf \invoice}
+6851 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
+6852 \parbox[t]{\sc@temp}{\noindent \box0\par \varinvoice}\hfill
+6853 \fi
+6854 \ifx\varrefitemi\@empty \else
+6855 \settowidth{\sc@temp}{\varrefitemi}
+6856 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
+6857 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
+6858 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemi}\hfill
+6859 \fi
+6860 \ifx\varrefitemii\@empty \else
+6861 \settowidth{\sc@temp}{\varrefitemii}
+6862 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
+6863 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
+6864 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemii}\hfill
+6865 \fi
+6866 \ifx\varrefitemiii\@empty \else
+6867 \settowidth{\sc@temp}{\varrefitemiii}
+6868 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
+6869 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
+6870 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemiii}\hfill
+6871 \fi
+6872 \ifx\@date\@empty \else
+6873 \settowidth{\sc@temp}{\@date}
+6874 \setbox0\hbox{\scriptsize \sf \datename}
+6875 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
+6876 \parbox[t]{\sc@temp}{\noindent \box0\par \@date}
+6877 \fi
+6878 \par
+6879 \vspace{2.5\baselineskip}
+6880 \else
+6881 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
+6882 \vspace{1.5\baselineskip}
+6883 \fi}
+6884 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
+6885 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
+6886 -\sigindent \hspace{\sigindent}%
+6887 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
+6888 \fromsig\strut}\par
+6889 \vspace{1.5\baselineskip}}

```

### 7.103 scrreprt-xetex-bidi.def

```

+6890 \ProvidesFile{scrreprt-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrreprt class for X
+6891 \newcommand{\scr@saved@LTRfootnotetext}{}
+6892 \newcommand{\scr@saved@RTLfootnotetext}{}
+6893 \let\scr@saved@footnotetext\@footnotetext
+6894 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
+6895 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext

```



```

16896 \renewcommand{\@footnotetext}[1]{%
16897   \scr@saved@footnotetext{#1}%
16898   \csname FN@mfb@prepare\endcsname
16899 }
16900 \renewcommand{\@LTRfootnotetext}[1]{%
16901   \scr@saved@LTRfootnotetext{#1}%
16902   \csname FN@mfb@prepare\endcsname
16903 }
16904 \renewcommand{\@RTLfootnotetext}[1]{%
16905   \scr@saved@RTLfootnotetext{#1}%
16906   \csname FN@mfb@prepare\endcsname
16907 }
16908 \renewcommand\deffootnote[4][1]{%
16909   \long\def\@makefnmark##1{%
16910     \setlength{\@tempdimc}{#3}%
16911     \def\@tempa{#1}\ifx\@tempa\@empty
16912       \setpar{\@par
16913         \@tempdima = \hsize
16914         \addtolength{\@tempdima}{-#2}%
16915         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16916     \else
16917       \addtolength{\@tempdimc}{#2}%
16918       \addtolength{\@tempdimc}{-#1}%
16919       \setpar{\@par
16920         \@tempdima = \hsize
16921         \addtolength{\@tempdima}{-#1}%
16922         \@tempdimb = \hsize
16923         \addtolength{\@tempdimb}{-#2}%
16924         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16925       }%
16926     \fi
16927     \par
16928     \parindent\@tempdimc\noindent
16929     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16930   }%
16931   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16932 }
16933 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16934 \renewcommand*\leftfootnoterule{%
16935   \normalsize\ftn@rule@test@values
16936   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16937   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16938   {\usekomafont{footnoterule}{%
16939     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16940   \kern 2.6\p@}
16941 \renewcommand*\rightfootnoterule{%
16942   \normalsize\ftn@rule@test@values
16943   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16944   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16945   {\usekomafont{footnoterule}{%

```



```

16946 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16947 \kern 2.6\p@}
16948 \renewcommand*\maketitle[1][1]{%
16949 \if@titlepage
16950 \begin{titlepage}
16951 \setcounter{page}{%
16952 #1%
16953 }%
16954 \let\footnotesize\small
16955 \let\right@footnoterule\relax
16956 \let\left@footnoterule\relax
16957 \let\textwidth@footnoterule\relax
16958 \let\footnote\thanks
16959 \let\LTRfootnote\LTRthanks
16960 \let\RTLfootnote\RTLthanks
16961 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16962 \let\@oldmakefnmark\@makefnmark
16963 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
16964 \ifx\@extratitle\@empty \else
16965 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16966 \thispagestyle{empty}%
16967 \fi
16968 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16969 \ifx\@titlehead\@empty \else
16970 \begin{minipage}[t]{\textwidth}%
16971 \@titlehead
16972 \end{minipage}\par
16973 \fi
16974 \null\vfill
16975 \begin{center}
16976 \ifx\@subject\@empty \else
16977 {\subject@font \@subject \par}%
16978 \vskip 3em
16979 \fi
16980 {\titlefont\huge \@title\par}%
16981 \vskip 1em
16982 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16983 \vskip 2em
16984 {\Large \lineskip 0.75em
16985 \begin{tabular}[t]{c}
16986 \@author
16987 \end{tabular}\par
16988 }%
16989 \vskip 1.5em
16990 {\Large \@date \par}%
16991 \vskip \z@ \@plus3fill
16992 {\Large \@publishers \par}%
16993 \vskip 3em
16994 \end{center}\par
16995 \@thanks

```



```

16996 \vfill\null
16997 \if@twoside\next@tpage
16998 \begin{minipage}[t]{\textwidth}
16999 \@uppertitleback
17000 \end{minipage}\par
17001 \vfill
17002 \begin{minipage}[b]{\textwidth}
17003 \@lowertitleback
17004 \end{minipage}
17005 \fi
17006 \ifx\@dedication\@empty \else
17007 \next@tpage\null\vfill
17008 {\centering \Large \@dedication \par}%
17009 \vskip \z@ \@plus3fill
17010 \if@twoside \next@tpage\cleardoubleemptypage \fi
17011 \fi
17012 \end{titlepage}
17013 \else
17014 \par
17015 \@tempcnta=%
17016 #1%
17017 \relax\ifnum\@tempcnta=1\else
17018 \ClassWarning{KOMAClassName}{%
17019 Optional argument of \string\maketitle\space ignored
17020 at\MessageBreak
17021 notitlepage-mode%
17022 }%
17023 \fi
17024 \begingroup
17025 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17026 \let\@oldmakefnmark\@makefnmark
17027 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}
17028 \if@twocolumn
17029 \ifnum \col@number=\@ne
17030 \@maketitle
17031 \else
17032 \twocolumn[\@maketitle]%
17033 \fi
17034 \else
17035 \newpage
17036 \global\@topnum\z@
17037 \@maketitle
17038 \fi
17039 \thispagestyle{\titlepagestyle}\@thanks
17040 \endgroup
17041 \fi
17042 \setcounter{footnote}{0}%
17043 \let\thanks\relax
17044 \let\LTRthanks\relax
17045 \let\RTLthanks\relax

```



```

17046 \let\maketitle\relax
17047 \let\@maketitle\relax
17048 \global\let\@thanks\@empty
17049 \global\let\@author\@empty
17050 \global\let\@date\@empty
17051 \global\let\@title\@empty
17052 \global\let\@subtitle\@empty
17053 \global\let\@extratitle\@empty
17054 \global\let\@titlehead\@empty
17055 \global\let\@subject\@empty
17056 \global\let\@publishers\@empty
17057 \global\let\@uppertitleback\@empty
17058 \global\let\@lowertitleback\@empty
17059 \global\let\@dedication\@empty
17060 \global\let\author\relax
17061 \global\let\title\relax
17062 \global\let\extratitle\relax
17063 \global\let\titlehead\relax
17064 \global\let\subject\relax
17065 \global\let\publishers\relax
17066 \global\let\uppertitleback\relax
17067 \global\let\lowertitleback\relax
17068 \global\let\dedication\relax
17069 \global\let\date\relax
17070 \global\let\and\relax
17071 }%
17072 \renewcommand*{\@maketitle}{%
17073 \clearpage
17074 \let\footnote\thanks
17075 \let\LTRfootnote\LTRthanks
17076 \let\RTLfootnote\RTLthanks
17077 \ifx\@extratitle\@empty \else
17078 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17079 \fi
17080 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17081 \ifx\@titlehead\@empty \else
17082 \begin{minipage}[t]{\textwidth}
17083 \@titlehead
17084 \end{minipage}\par
17085 \fi
17086 \null
17087 \vskip 2em%
17088 \begin{center}%
17089 \ifx\@subject\@empty \else
17090 {\subject@font \@subject \par}
17091 \vskip 1.5em
17092 \fi
17093 {\titlefont\huge \@title \par}%
17094 \vskip .5em
17095 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%

```



```

17096 \vskip 1em
17097 {\Large
17098 \lineskip .5em%
17099 \begin{tabular}[t]{c}
17100 \@author
17101 \end{tabular}\par
17102 }%
17103 \vskip 1em%
17104 {\Large \@date \par}%
17105 \vskip \z@ \@plus 1em
17106 {\Large \@publishers \par}
17107 \ifx\@dedication\empty \else
17108 \vskip 2em
17109 {\Large \@dedication \par}
17110 \fi
17111 \end{center}%
17112 \par
17113 \vskip 2em
17114 }%
17115 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17116 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17117 \renewcommand*\thesection{%
17118 \thechapter\@SepMark%
17119 \@arabic\c@section
17120 }
17121 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17122 \renewcommand*{\thesubsubsection}{%
17123 \thesubsection\@SepMark\@arabic\c@subsubsection
17124 }
17125 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17126 \renewcommand*{\thesubparagraph}{%
17127 \theparagraph\@SepMark\@arabic\c@subparagraph
17128 }
17129 \renewcommand*\thefigure{%
17130 \thechapter\@SepMark%
17131 \@arabic\c@figure
17132 }
17133 \renewcommand*\thetable{%
17134 \thechapter\@SepMark%
17135 \@arabic\c@table
17136 }
17137 \renewcommand*\theequation{%
17138 \thechapter\@SepMark%
17139 \@arabic\c@equation
17140 }
17141 \renewenvironment{thebibliography}[1]{%
17142 \if@bib@break@
17143 \bib@beginhook
17144 \else
17145 \ifx\bibpreamble\relax\else\ifx\bibpreamble\empty\else

```





```

17146         \setchapterpreamble{\bibpreamble}%
17147     \fi\fi
17148     \bib@heading
17149     \bib@beginhook
17150     \bib@before@hook
17151 \fi
17152 \renewcommand{\BreakBibliography}[1]{%
17153     \@bib@break
17154     \end{thebibliography}%
17155     \begingroup ##1\endgroup
17156     \begin{thebibliography}{#1}
17157 }%
17158 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17159 \list{%
17160     \@biblabel{\@arabic\c@enumiv}%
17161 }{%
17162     \settowidth\labelwidth{\@biblabel{#1}}%
17163     \leftmargin\labelwidth
17164     \advance\leftmargin\labelsep
17165     \@openbib@code
17166     \if@bib@break@
17167         \edef\@tempa{%
17168             \noexpand\usecounter{enumiv}%
17169             \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17170         }\@tempa
17171         \no@bib@break
17172     \else
17173         \usecounter{enumiv}%
17174     \fi
17175     \let\p@enumiv\@empty
17176     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17177 }%
17178 \sloppy\clubpenalty4000 \widowpenalty4000
17179 \sfcode`\.\=@m
17180 }{%
17181     \if@bib@break@
17182         \def\@noitemerr{%
17183             \@latex@warning{%
17184                 \string\BreakBibliography\space at begin of `thebibliography'
17185                 environment\MessageBreak
17186                 or following \string\BreakBibliography}%
17187         }%
17188     \else
17189         \def\@noitemerr{%
17190             \@latex@warning{%
17191                 Empty `thebibliography' environment or
17192                 \string\BreakBibliography\MessageBreak
17193                 before end of `thebibliography' environment}%
17194         }%
17195     \fi

```



```

17196 \endlist
17197 \if@bib@break@
17198 \else
17199 \bib@after@hook
17200 \let\bib@before@hook\@empty
17201 \let\bib@after@hook\@empty
17202 \fi
17203 \bib@endhook
17204 }
17205 \renewcommand*\left@footnoterule{%
17206 \kern-3\p@
17207 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17208 \hrule\@width.4\columnwidth
17209 \kern 2.6\p@}
17210 \renewcommand*\right@footnoterule{%
17211 \kern-3\p@
17212 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17213 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17214 \kern2.6\p@}
17215 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17216 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17217 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17218 \renewcommand\marginline[1]{%
17219 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17220 }
17221 \renewcommand{\@makecaption}[3]{%
17222 \cap@margin
17223 \ifonelinecaptions
17224 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17225 \let\scr@tmp@footnotetext=\@footnotetext
17226 \let\@footnotetext=\@gobble
17227 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17228 \let\@LTRfootnotetext=\@gobble
17229 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17230 \let\@RTLfootnotetext=\@gobble
17231 \sbox\@tempboxa{%
17232 {\capfont{\strut\ignorespaces
17233 #1{\caplabelfont{#2\captionformat}}}%
17234 #3\unskip\strut}}%
17235 }%
17236 \let\@footnotetext=\scr@tmp@footnotetext
17237 \let\scr@tmp@footnotetext=\undefined
17238 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17239 \let\scr@tmp@LTRfootnotetext=\undefined
17240 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17241 \let\scr@tmp@RTLfootnotetext=\undefined
17242 \setcounter{footnote}{\@tempcntb}%
17243 \setcounter{mpfootnote}{\@tempcnta}%
17244 \else
17245 \sbox\@tempboxa{\hspace*{2\cap@width}}%

```



```

17246 \fi
17247 \begingroup%
17248 \setlength{\@tempdima}{\cap@width}%
17249 \ifdim \wd\@tempboxa >\@tempdima
17250 \hb@xt@\hsize{%
17251 \setbox\@tempboxa\vbox{\hsize=\cap@width
17252 \ifdoofullc@p
17253 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17254 #1{\caplabelfont{#2\captionformat}}}}}%
17255 {#3\unskip\strut\par}}}%
17256 \else%
17257 \ifdim\cap@indent<\z@
17258 {\capfont{\strut\ignorespaces
17259 #1{\caplabelfont{#2\captionformat\par}}}%
17260 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17261 \else%
17262 \if@capbreak
17263 {\capfont{\strut\ignorespaces
17264 #1{\caplabelfont{#2\captionformat\par}}}%
17265 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17266 \else
17267 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}}%
17268 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17269 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17270 \fi
17271 \fi
17272 \fi
17273 }%
17274 \setlength{\@tempdima}{\ht\@tempboxa}%
17275 \addtolength{\@tempdima}{\dp\@tempboxa}%
17276 \addtolength{\@tempdima}{-\ht\strutbox}%
17277 \ht\@tempboxa\ht\strutbox
17278 \dp\@tempboxa\@tempdima
17279 \strut\cap@left
17280 \box\@tempboxa
17281 \cap@right\strut
17282 }%
17283 \else
17284 \global \@minipagefalse
17285 \sbox\@tempboxa{%
17286 {\capfont{\scr@smashdp{\strut\ignorespaces
17287 #1{\caplabelfont{#2\captionformat}}}}}%
17288 #3}%
17289 }%
17290 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
17291 \fi
17292 \endgroup
17293 }
17294 \renewcommand{\@makecaption}[2]{%
17295 \if@captionabove

```



```

17296     \vskip\belowcaptionskip
17297   \else
17298     \vskip\abovecaptionskip
17299   \fi
17300   \@makecaption\@firstofone{#1}{#2}%
17301   \if@captionabove
17302     \vskip\abovecaptionskip
17303   \else
17304     \vskip\belowcaptionskip
17305   \fi
17306 }
17307 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17308   \@ifpackageloaded{caption2}{\@komalongtablefalse
17309     \scr@caption@before@longtable@warning{caption2}%
17310   }{}%
17311   \if@komalongtable
17312     \renewcommand{\LT@makecaption}[3]{%
17313       \noalign{%
17314         \if@captionabove
17315           \vskip\belowcaptionskip
17316         \else
17317           \vskip\abovecaptionskip
17318         \fi
17319       }%
17320       \LT@mcol\LT@cols c{%
17321         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17322           \@makecaption{#1}{#2}{#3}%
17323         \endgraf
17324         \if@captionabove
17325           \vskip\abovecaptionskip
17326         \else
17327           \vskip\belowcaptionskip
17328         \fi
17329       }%
17330       \hss
17331     }%
17332   }%
17333 }%
17334 \renewcommand*{\scr@LT@array}{}%
17335 \let\scr@LT@array=\LT@array
17336 \renewcommand*{\LT@array}{%
17337   \let\scr@caption=\LT@caption
17338   \def\captionabove{\noalign{\global\@captionabovetrue}%
17339     \scr@caption}%
17340   \def\captionbelow{\noalign{\global\@captionabovefalse}%
17341     \scr@caption}%
17342   \if@tablecaptionabove
17343     \let\LT@caption=\captionabove
17344   \else
17345     \let\LT@caption=\captionbelow

```



```

17346     \fi
17347     \scr@LT@array
17348   }%
17349   \ClassInfo{\KOMAClassName}{%
17350     longtable captions redefined%
17351   }%
17352 \fi
17353 }
17354
17355 \CloneTOCEntryStyle{tocline}{part}
17356 \TOCEntryStyleStartInitCode{part}{%
17357   \expandafter\renewcommand%
17358   \csname scr@tso@#1@linefill\endcsname{\hfill}%
17359   \expandafter\renewcommand%
17360   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17361   \expandafter\renewcommand%
17362   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17363     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17364   \expandafter\renewcommand\expandafter*%
17365   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17366 }
17367
17368 \CloneTOCEntryStyle{tocline}{chapter}
17369 \TOCEntryStyleStartInitCode{chapter}{%
17370   \expandafter\renewcommand%
17371   \csname scr@tso@#1@linefill\endcsname{%
17372     \if@chapterentrywithdots
17373       \TOCLineLeaderFill\relax
17374     \else
17375       \hfill
17376     \fi
17377   }%
17378   \expandafter\renewcommand%
17379   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17380   \expandafter\renewcommand%
17381   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17382     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17383   \expandafter\renewcommand\expandafter*%
17384   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17385 }
17386
17387 \CloneTOCEntryStyle{tocline}{section}
17388 \TOCEntryStyleStartInitCode{section}{%
17389   \expandafter\renewcommand%
17390   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17391 }
17392
17393 \CloneTOCEntryStyle{section}{default}
17394
17395 \DeclareSectionCommand[%

```



```

17396 style=part,%
17397 level=\m@ne,%
17398 pagestyle=plain,%
17399 tocstyle=part,%
17400 toplevel=\m@ne,%
17401 tocindent=\z@,%
17402 tocnumwidth=2em%
17403 ]{part}
17404 \DeclareSectionCommand[%
17405 style=chapter,%
17406 level=\z@,%
17407 pagestyle=plain,%
17408 tocstyle=chapter,%
17409 tocindent=\z@,%
17410 tocnumwidth=1.5em%
17411 ]{chapter}
17412 \DeclareSectionCommand[%
17413 style=section,%
17414 level=1,%
17415 indent=\z@,%
17416 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17417 afterskip=2.3ex \@plus .2ex,%
17418 tocstyle=section,%
17419 tocindent=1.5em,%
17420 tocnumwidth=2.3em%
17421 ]{section}
17422 \DeclareSectionCommand[%
17423 style=section,%
17424 level=2,%
17425 indent=\z@,%
17426 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17427 afterskip=1.5ex \@plus .2ex,%
17428 tocstyle=section,%
17429 tocindent=3.8em,%
17430 tocnumwidth=3.2em%
17431 ]{subsection}
17432 \DeclareSectionCommand[%
17433 style=section,%
17434 level=3,%
17435 indent=\z@,%
17436 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17437 afterskip=1.5ex \@plus .2ex,%
17438 tocstyle=section,%
17439 tocindent=7.0em,%
17440 tocnumwidth=4.1em%
17441 ]{subsubsection}
17442 \DeclareSectionCommand[%
17443 style=section,%
17444 level=4,%
17445 indent=\z@,%

```



```

17446 beforeskip=3.25ex \@plus1ex \@minus.2ex,%
17447 afterskip=-1em,%
17448 tocstyle=section,%
17449 tocindent=10em,%
17450 tocnumwidth=5em%
17451 ]{paragraph}
17452 \DeclareSectionCommand[%
17453   style=section,%
17454   level=5,%
17455   indent=\scr@parindent,%
17456   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
17457   afterskip=-1em,%
17458   tocstyle=section,%
17459   tocindent=12em,%
17460   tocnumwidth=6em%
17461 ]{subparagraph}
17462
17463

```

## 7.104 sidecap-xetex-bidi.def

```

17464 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
17465 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
17466   \isSC@ODD{\#1}\hspace{\sidecaptionsep}{\#2}} {\#2}\hspace{\sidecaptionsep}{\#1}}\else%
17467 \isSC@ODD{\#2}\hspace{\sidecaptionsep}{\#1}} {\#1}\hspace{\sidecaptionsep}{\#2}}\fi}
17468 \renewcommand*{\SC@justify@caption}{\if@RTL%
17469 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
17470   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

## 7.105 soul-xetex-bidi.def

```

17471 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
17472 \long\def\Soul@start#1{%
17473   \let\bidi@RTL@everypar\empty
17474   \let<\Soul@lowerthan
17475   \let>\empty
17476   \def\soulomit{\noexpand\soulomit}%
17477   \gdef\Soul@eventuallyexhyphen##1{%
17478     \let\Soul@soeventuallyskip\relax
17479     \Soul@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
17480       \@minus\fontdimen4\font
17481     \Soul@ignorespacesfalse
17482     \leavevmode
17483     \Soul@preamble
17484     \Soul@lasttoken={}%
17485     \Soul@word={}%
17486     \Soul@minus\z@
17487     \Soul@comma\z@
17488     \Soul@apo\z@
17489     \Soul@grave\z@
17490     \Soul@do{#1}%

```



```

17491 \SOUL@postamble
17492 }}
17493 \def\SOUL@ulunderline#1{%
17494 \setbox\z@\hbox{#1}%
17495 \dimen@=\wd\z@
17496 \dimen@i=\SOUL@uloverlap
17497 \advance\dimen@2\dimen@i
17498 \if@RTL
17499 \unhcopy\z@
17500 \llap{%
17501 \null
17502 \kern-\dimen@i
17503 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17504 }%
17505 \else
17506 \rlap{%
17507 \null
17508 \kern-\dimen@i
17509 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17510 }%
17511 \unhcopy\z@
17512 \fi
17513 }}
17514 \def\bid@SOUL@ulleaders{%
17515 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax}
17516 }
17517 \def\SOUL@uleveryspace#1{%
17518 \if@RTL
17519 #1%
17520 \bid@SOUL@ulleaders
17521 \hskip\spaceskip
17522 \else
17523 \SOUL@ulcolor{%
17524 #1%
17525 \SOUL@ulleaders
17526 \hskip\spaceskip
17527 }%
17528 \fi
17529 \null
17530 }

```

## 7.106 stabular-xetex-bidi.def

```

17531 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for]
17532 \def\@stabular{%
17533 \leavevmode \bgroup \if@RTLtab\beginR \fi
17534 \let\@acol\@tabacol
17535 \let\@classz\@tabclassz
17536 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
17537 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi

```





```

17538             \egroup \if@RTLtab\endR\fi\egroup}
17539 \expandafter \let \csname endstabular*\endcsname = \endstabular
17540 \def\@sarray[#1]#2{%
17541   \bgroup
17542   \setbox\@arstrutbox\hbox{%
17543     \vrule \@height\arraystretch\ht\strutbox
17544           \@depth\arraystretch \dp\strutbox
17545           \@width\z@}%
17546   \@mkpream{#2}%
17547   \edef\@preamble{%
17548     \ialign \noexpand\@halignto
17549       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17550   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17551   \let\tabularnewline\\%
17552   \let\@sharp##%
17553   \set@typeset@protect
17554   \lineskip\z@skip\baselineskip\z@skip
17555   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
17556   \@preamble}

```

### 7.107 subfigure-xetex-bidi.def

```

17557 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
17558 \AtBeginDocument{%
17559 \let\p@subfigure=\thefigure
17560 \let\p@subtable=\thetable%
17561 }

```

### 7.108 tabs-xetex-bidi.def

```

17562 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
17563 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
17564
17565 \expandafter\let\csname endtabular*\endcsname=\endtabular
17566
17567 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
17568   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
17569   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
17570
17571 \def\@array[#1]#2{% remember global variables to allow recursion:
17572   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
17573     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
17574   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
17575   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
17576   \else \let\@tarlinesep\tablinesep \fi
17577   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
17578   \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
17579   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
17580   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
17581     \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
17582     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep

```



```

17583 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
17584 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
17585 \let\protect\noexpand
17586 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
17587 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
17588 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17589 \if#1t\vtop \else \if#1b\ vbox \else \vcenter \fi\fi
17590 \bgroup \let\par\empty
17591 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
17592 \advance\extrarulesep.5\arrayrulewidth
17593 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
17594 \ifRTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
17595 \@preamble}

```

## 7.109 tabularx-xetex-bidi.def

```

17596 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
17597 \def\TX@endtabularx{%
17598 \expandafter\expandafter\expandafter
17599 \TX@find@endtabularxa\csname end\TX\endcsname
17600 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
17601 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
17602 \let\verb\TX@verb
17603 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
17604 \edef\TX@ckpt{\cl@ckpt}%
17605 \let\@elt\relax
17606 \TX@old@table\maxdimen
17607 \TX@col@width\TX@target
17608 \global\TX@cols\@ne
17609 \TX@typeout@
17610 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17611 \TX@trial{\def\NC@rewrite@X{%
17612 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17613 \loop
17614 \TX@arith
17615 \ifTX@
17616 \TX@trial{}%
17617 \repeat
17618 {\let\@footnotetext\TX@fnttext\let\@xfootnotenext\TX@xftntext
17619 \let\@LTRfootnotetext\TX@LTRfnttext\let\@xLTRfootnotenext\TX@xLTRfnttext
17620 \let\@RTLfootnotetext\TX@RTLfnttext\let\@xRTLfootnotenext\TX@xRTLfnttext
17621 \csname tabular*\expandafter\endcsname\expandafter\TX@target
17622 \the\toks@
17623 \csname endtabular*\endcsname}%
17624 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17625 \ifnum0=`{\fi}%
17626 \expandafter\expandafter\expandafter
17627 \TX@find@endtabularxbb
17628 \expandafter\end\expandafter{\TX@}%
17629 \endtabularx\TX@\endtabularx\TX@find@endtabularxb

```



```

17630 }
17631
17632 \def\TX@trial#1{%
17633   \setbox\@tempboxa\hbox{%
17634     #1\relax
17635   \let\@footnotetext\TX@trial@ftn
17636   \let\@LTRfootnotetext\TX@trial@ftn
17637   \let\@RTLfootnotetext\TX@trial@ftn
17638   \let\TX@vwarn\@empty
17639   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
17640   \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
17641   \def\write{\begingroup
17642     \def\let{\afterassignment\endgroup\toks@}%
17643     \afterassignment\let\count@}%
17644     \hbadness\@M
17645     \hfuzz\maxdimen
17646     \let\hbadness\@tempcnta
17647     \let\hfuzz\@tempdima
17648     \expandafter\tabular\the\toks@
17649     \endtabular}%
17650   \TX@ckpt
17651   \TX@typeout@{\@spaces
17652     \expandafter\TX@align
17653     \the\wd\@tempboxa\space\space\space\space\space\@@
17654     \expandafter\TX@align
17655     \the\TX@col@width\space\space\space\space\space\@@
17656     \@spaces\the\TX@cols}}
17657
17658 \long\def\TX@LTRftntext#1{%
17659   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
17660     [\the\csname c@\@mpfn\endcsname]]}%
17661   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17662 \long\def\TX@xLTRftntext[#1]#2{%
17663   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}%
17664
17665 \long\def\TX@RTLftntext#1{%
17666   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
17667     [\the\csname c@\@mpfn\endcsname]]}%
17668   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17669 \long\def\TX@xRTLftntext[#1]#2{%
17670   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}%

```

## 7.110 tabulary-xetex-bidi.def

```

17671 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
17672 \def\@testpach{\@chclass
17673   \ifnum \@lastchclass=6 \@one \@chnum \@one \else
17674   \ifnum \@lastchclass=7 5 \else
17675   \ifnum \@lastchclass=8 \tw@ \else
17676   \ifnum \@lastchclass=9 \thr@@

```



```

17677 \else \z@
17678 \ifnum \@lastchclass = 10 \else
17679 \edef\@nextchar{\expandafter\string\@nextchar}%
17680 \@chnum
17681 \if \@nextchar c\z@ \else
17682 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
17683 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
17684 \if \@nextchar C7 \else
17685 \if \@nextchar L8 \else
17686 \if \@nextchar R9 \else
17687 \if \@nextchar J10 \else
17688 \z@ \@chclass
17689 \if\@nextchar |\@ne \else
17690 \if \@nextchar !6 \else
17691 \if \@nextchar @7 \else
17692 \if \@nextchar <8 \else
17693 \if \@nextchar >9 \else
17694 10
17695 \@chnum
17696 \if \@nextchar m\thr@@\else
17697 \if \@nextchar p4 \else
17698 \if \@nextchar b5 \else
17699 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
17700 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

## 7.111 tc-xetex-bidi.def

```

17701 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
17702 \def\@cliptoboxdim#1{%
17703   \setbox#1=\hbox{%
17704     \Gin@defaultbp\WIDTH{\wd#1}%
17705     \Gin@defaultbp\DEPTH{\dp#1}%
17706     \@tempdima\ht#1%
17707     \advance\@tempdima\dp#1%
17708     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17709     \beginL\special{pdf:bcontent }%
17710     \special{%
17711       pdf:literal direct
17712       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17713     }%
17714     \special{pdf:literal direct W }%
17715     \special{pdf:literal direct n }%
17716     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17717     \special{pdf:econtent }\endL%
17718   }%
17719 }

```

## 7.112 titlesec-xetex-bidi.def

```

17720 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for XeTeX]
17721 \renewcommand\filright{%

```



```

17722 \gdef\ttl@filleft##1{\hskip##1}%
17723 \gdef\ttl@filright##1{\hfill}%
17724 \let\\\@centercr
17725 \advance\rightskip\z@ \@plus 1fil
17726 \parfillskip\z@}
17727 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
17728 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17729 \setlength\leftskip{#6}%
17730 \setlength\rightskip{#7}%
17731 \interlinepenalty\@M
17732 \ttl@changecentercr
17733 \ttl@beginlongest
17734 #1{\ifhmode\ttl@hmode@error\fi
17735 \ttl@glcmds
17736 \parindent\z@
17737 \leavevmode
17738 \begingroup
17739 \ifttl@label
17740 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17741 \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17742 \llap{\box\z@}%
17743 \fi
17744 #4{#8}%
17745 \kern\z@\strut\@par
17746 \endgroup
17747 \nobreak\ttl@midlongest#5\@par}%
17748 \ttl@endlongest}

```

## 7.113 titletoc-xetex-bidi.def

```

17749 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
17750 \renewcommand\filright{%
17751 \gdef\ttl@filleft##1{\hskip##1}%
17752 \gdef\ttl@filright##1{\hfill}%
17753 \let\\\@centercr
17754 \advance\rightskip\z@ \@plus 1fil
17755 \parfillskip\z@}
17756 \renewcommand\contentspush[1]{%
17757 \sbox\z@{#1}%
17758 \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
17759 \aftergroup\ttl@b
17760 \leavevmode\llap{\box\z@}}
17761 \def\ttl@outnoblock#1#2#3{%
17762 \begingroup
17763 \ifnum\ttl@b>\ttl@a
17764 \nobreak
17765 \else\ifnum\ttl@b<\ttl@a
17766 \addpenalty{\@secpenalty}%
17767 \else
17768 \addpenalty{\z@}%

```



```

17769 \fi\fi
17770 \ttl@contentsstretch
17771 \nobreak
17772 \ifcase#1\relax\else\interlinepenalty\@M\fi
17773 \parindent\z@
17774 \ifx\@nil#2%
17775   \PackageError{titletoc}{Unimplemented}%
17776   {The optional argument is currently mandatory}%
17777 \else
17778   \ifRTL\setlength\rightskip{#2}\else
17779   \setlength\leftskip{#2}\fi%
17780 \fi
17781 \ifRTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
17782 \let\contentsmargin\ttl@margin
17783 \def\ttl@makeline##1{##1}%
17784 #3%
17785 \addtolength{\parfillskip}{-\ttl@corr}%
17786 \ifRTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17787 \let\ttl@leaders\leaders}
17788 \renewcommand\ttl@margin[2][\z@]{%
17789   \def\ttl@corr{#1}%
17790   \advance\ifRTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17791   \advance\ifRTL\leftskip\else\rightskip\fi#2\relax
17792   \def\@pnumwidth{#2}}
17793 \let\ttl@savel@part\l@part
17794 \def\l@part{\ttl@lselect{part}}
17795
17796 \let\ttl@savel@chapter\l@chapter
17797 \def\l@chapter{\ttl@lselect{chapter}}

```

## 7.114 tocibind-xetex-bidi.def

```

17798 \ProvidesFile{tocibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocibind package]
17799 \if@dotocbib
17800   \ifpackageloaded{natbib}{}{% natbib not loaded
17801     \renewcommand{\bibsection}{\tcb@bchapsec}
17802     \renewenvironment{thebibliography}[1]{%
17803       \bibsection
17804       \begin{thebibitemlist}{#1}{\end{thebibitemlist}}}
17805   \renewenvironment{thebibitemlist}[1]{
17806     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17807     \list{\@biblabel{\@arabic\c@enumiv}}%
17808       {\settowidth\labelwidth{\@biblabel{#1}}%
17809        \leftmargin\labelwidth
17810        \advance\leftmargin\labelsep
17811        \@openbib@code
17812        \usecounter{enumiv}}%
17813     \let\p@enumiv\@empty
17814     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
17815   \sloppy

```



```

17816 \clubpenalty4000
17817 \@clubpenalty \clubpenalty
17818 \widowpenalty4000%
17819 \sfcode`.\@m}
17820 {\def\@noitemerr
17821 {\@latex@warning{Empty `thebibliography' environment}}}%
17822 \endlist}
17823
17824 \@ifpackagewith{chapterbib}{sectionbib}%
17825 {\renewcommand{\sectionbib}[2]{}}%
17826 {}
17827
17828 \fi
17829 \if@inltxdoc\else
17830 \renewenvironment{theindex}%
17831 {\if@twocolumn
17832 \@restonecolfalse
17833 \else
17834 \@restonecoltrue
17835 \fi
17836 \if@bibchapter
17837 \if@donumindex
17838 \refstepcounter{chapter}
17839 \twocolumn[\vspace*{2\topskip}%
17840 \@makechapterhead{\indexname}]]%
17841 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
17842 \chaptermark{\indexname}
17843 \else
17844 \if@dotocind
17845 \twocolumn[\vspace*{2\topskip}%
17846 \@makeschapterhead{\indexname}]]%
17847 \prw@mkboth{\indexname}
17848 \addcontentsline{toc}{chapter}{\indexname}
17849 \else
17850 \twocolumn[\vspace*{2\topskip}%
17851 \@makeschapterhead{\indexname}]]%
17852 \prw@mkboth{\indexname}
17853 \fi
17854 \fi
17855 \else
17856 \if@donumindex
17857 \twocolumn[\vspace*{-1.5\topskip}%
17858 \@nameuse{\@tocextra}{\indexname}]]%
17859 \csname \@tocextra mark\endcsname{\indexname}
17860 \else
17861 \if@dotocind
17862 \twocolumn[\vspace*{-1.5\topskip}%
17863 \toc@headstar{\@tocextra}{\indexname}]]%
17864 \prw@mkboth{\indexname}
17865 \addcontentsline{toc}{\@tocextra}{\indexname}

```



```

17866         \else
17867             \twocolumn[\vspace*{-1.5\topskip}%
17868                 \toc@headstar{\@tocextra}{\indexname}]]%
17869             \prw@mkboth{\indexname}
17870         \fi
17871     \fi
17872 \fi
17873 \thispagestyle{plain}\parindent\z@
17874 \parskip\z@ \@plus .3\p@\relax
17875 \let\item\@idxitem}
17876 {\if@restonecol\onecolumn\else\clearpage\fi}
17877 \fi

```

## 7.115 tocloft-xetex-bidi.def

```

17878 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
17879 \let\cftdot\@SepMark
17880 \if@cfthaspart
17881 \renewcommand*{\l@part}[2]{
17882     \@cftdopartfalse
17883     \ifnum \c@tocdepth >-2\relax
17884         \if@cfthaschapter
17885             \@cftdoparttrue
17886         \fi
17887         \ifnum \c@tocdepth >\m@ne
17888             \if@cfthaschapter\else
17889                 \@cftdoparttrue
17890             \fi
17891         \fi
17892     \fi
17893     \if@cftdopart
17894         \if@cfthaschapter
17895             \addpenalty{-\@highpenalty}
17896         \else
17897             \addpenalty\@secpenalty
17898         \fi
17899         \addvspace{\cftbeforepartskip}
17900         \begingroup
17901             {\if@RTL\rightright\else\leftskip\fi \cftpartindent\relax
17902                 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
17903                 \parfillskip -\if@RTL\leftskip\else\rightright\fi
17904                 \parindent \cftpartindent\relax\@afterindenttrue
17905                 \interlinepenalty\@M
17906                 \leavevmode
17907                 \@tempdima \cftpartnumwidth\relax
17908                 \let\@cftbsnum \cftpartpresnum
17909                 \let\@cftasnum \cftpartaftersnum
17910                 \let\@cftasnumb \cftpartaftersnumb
17911                 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
17912                 {\cftpartfont \cftpartpresnum #1}

```





```

17913     \cftpartfillnum{#2}}
17914     \nobreak
17915     \if@cfthaschapter
17916         \global\@nobreaktrue
17917         \everypar{\global\@nobreakfalse\everypar{}}
17918     \else
17919         \if@compatibility
17920             \global\@nobreaktrue
17921             \everypar{\global\@nobreakfalse\everypar{}}
17922         \fi
17923     \fi
17924 \endgroup
17925 \fi}
17926 \fi
17927 \if@cfthaschapter
17928 \renewcommand*{\l@chapter}[2]{
17929     \ifnum \c@tocdepth >\m@ne
17930         \addpenalty{-\@highpenalty}
17931         \vskip \cftbeforechapskip
17932         {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
17933         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17934         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17935         \parindent \cftchapindent\relax\@afterindenttrue
17936         \interlinepenalty\@M
17937         \leavevmode
17938         \@tempdima \cftchapnumwidth\relax
17939         \let\@cftbsnum \cftchappresnum
17940         \let\@cftasnum \cftchapaftersnum
17941         \let\@cftasnumb \cftchapaftersnumb
17942         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17943         {\cftchapfont #1}\nobreak
17944         \cftchapfillnum{#2}}
17945     \fi}
17946 \fi
17947 \renewcommand*{\l@section}[2]{%
17948     \ifnum \c@tocdepth >\z@
17949         \if@cfthaschapter
17950             \vskip \cftbeforeseccskip
17951         \else
17952             \addpenalty\@secpenalty
17953             \addvspace{\cftbeforeseccskip}
17954         \fi
17955         {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
17956         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17957         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17958         \parindent \cftsecindent\relax\@afterindenttrue
17959         \interlinepenalty\@M
17960         \leavevmode
17961         \@tempdima \cftsecnumwidth\relax
17962         \let\@cftbsnum \cftsecpresnum

```



```

17963 \let\@cftasnum \cftsecaftersnum
17964 \let\@cftasnumb \cftsecaftersnumb
17965 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17966 {\cftsecfont #1}\nobreak
17967 \cftsecfillnum{#2}}
17968 \fi}
17969 \renewcommand*{\l@section}[2]{%
17970 \ifnum \c@tocdepth >\@ne
17971 \vskip \cftbeforesubsecskip
17972 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
17973 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17974 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17975 \parindent \cftsubsecindent\relax\@afterindenttrue
17976 \interlinepenalty\@M
17977 \leavevmode
17978 \@tempdima \cftsubsecnumwidth\relax
17979 \let\@cftbsnum \cftsubsecpresnum
17980 \let\@cftasnum \cftsubsecaftersnum
17981 \let\@cftasnumb \cftsubsecaftersnumb
17982 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
17983 {\cftsubsecfont #1}\nobreak
17984 \cftsubsecfillnum{#2}}
17985 \fi}
17986 \renewcommand*{\l@subsubsection}[2]{%
17987 \ifnum \c@tocdepth >\tw@
17988 \vskip \cftbeforesubsubsecskip
17989 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
17990 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17991 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17992 \parindent \cftsubsubsecindent\relax\@afterindenttrue
17993 \interlinepenalty\@M
17994 \leavevmode
17995 \@tempdima \cftsubsubsecnumwidth\relax
17996 \let\@cftbsnum \cftsubsubsecpresnum
17997 \let\@cftasnum \cftsubsubsecaftersnum
17998 \let\@cftasnumb \cftsubsubsecaftersnumb
17999 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
18000 {\cftsubsubsecfont #1}\nobreak
18001 \cftsubsubsecfillnum{#2}}
18002 \fi}
18003 \renewcommand*{\l@paragraph}[2]{%
18004 \ifnum \c@tocdepth >3\relax
18005 \vskip \cftbeforeparaskip
18006 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
18007 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18008 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18009 \parindent \cftparaindent\relax\@afterindenttrue
18010 \interlinepenalty\@M
18011 \leavevmode
18012 \@tempdima \cftparanumwidth\relax

```



```

18013 \let\@cftbsnum \cftparapresnum
18014 \let\@cftasnum \cftparaaftersnum
18015 \let\@cftasnumb \cftparaaftersnumb
18016 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
18017 {\cftparafont #1}\nobreak
18018 \cftparafillnum{#2}}
18019 \fi}
18020 \renewcommand*{\l@subparagraph}[2]{%
18021 \ifnum \c@tocdepth >4\relax
18022 \vskip \cftbeforesubparaskip
18023 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
18024 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18025 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18026 \parindent \cftsubparaindent\relax\@afterindenttrue
18027 \interlinepenalty\@M
18028 \leavevmode
18029 \@tempdima \cftsubparanumwidth\relax
18030 \let\@cftbsnum \cftsubparapresnum
18031 \let\@cftasnum \cftsubparaaftersnum
18032 \let\@cftasnumb \cftsubparaaftersnumb
18033 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
18034 {\cftsubparafont #1}\nobreak
18035 \cftsubparafillnum{#2}}
18036 \fi}
18037 \renewcommand*{\l@figure}[2]{%
18038 \ifnum \c@lofdepth >\z@
18039 \vskip \cftbeforefigskip
18040 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
18041 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18042 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18043 \parindent \cftfigindent\relax\@afterindenttrue
18044 \interlinepenalty\@M
18045 \leavevmode
18046 \@tempdima \cftfignumwidth\relax
18047 \let\@cftbsnum \cftfigpresnum
18048 \let\@cftasnum \cftfigaftersnum
18049 \let\@cftasnumb \cftfigaftersnumb
18050 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
18051 {\cftfigfont #1}\nobreak
18052 \cftfigfillnum{#2}}
18053 \fi
18054 }
18055 \renewcommand*{\l@table}[2]{%
18056 \ifnum \c@lotdepth >\z@
18057 \vskip \cftbeforetabskip
18058 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
18059 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18060 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18061 \parindent \cfttabindent\relax\@afterindenttrue
18062 \interlinepenalty\@M

```



```

18063 \leavevmode
18064 \@tempdima \cfttabnumwidth\relax
18065 \let\@cftbsnum \cfttabpresnum
18066 \let\@cftasnum \cfttabaftersnum
18067 \let\@cftasnumb \cfttabaftersnumb
18068 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18069 {\cfttabfont #1}\nobreak
18070 \cfttabfillnum{#2}}
18071 \fi
18072 }
18073 \renewcommand{\@cftl@subfig}{
18074 \renewcommand*{\l@subfigure}[2]{%
18075 \ifnum \c@lofdepth > \toclevel@subfigure
18076 \vskip \cftbeforesubfigskip
18077 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
18078 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18079 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18080 \parindent \cftsubfigindent\relax\@afterindenttrue
18081 \interlinepenalty\@M
18082 \leavevmode
18083 \@tempdima \cftsubfignumwidth\relax
18084 \let\@cftbsnum \cftsubfigpresnum
18085 \let\@cftasnum \cftsubfigaftersnum
18086 \let\@cftasnumb \cftsubfigaftersnumb
18087 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18088 {\cftsubfigfont ##1}\nobreak
18089 \cftsubfigfillnum{##2}}
18090 \fi
18091 }
18092 }
18093 \renewcommand{\@cftl@subtab}{
18094 \renewcommand*{\l@subtable}[2]{%
18095 \ifnum \c@lotdepth > \toclevel@subtable
18096 \vskip \cftbeforesubtabskip
18097 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
18098 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18099 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18100 \parindent \cftsubtabindent\relax\@afterindenttrue
18101 \interlinepenalty\@M
18102 \leavevmode
18103 \@tempdima \cftsubtabnumwidth\relax
18104 \let\@cftbsnum \cftsubtabpresnum
18105 \let\@cftasnum \cftsubtabaftersnum
18106 \let\@cftasnumb \cftsubtabaftersnumb
18107 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18108 {\cftsubtabfont ##1}\nobreak
18109 \cftsubtabfillnum{##2}}
18110 \fi
18111 }
18112 }

```



```

18113 \renewcommand{\newlistentry}[4][\@empty]{%
18114   \ifundefined{c@#2}{%      check & set the counter
18115     \ifx \@empty#1\relax
18116       \newcounter{#2}
18117     \else
18118       \ifundefined{c@#1}{\PackageWarning{tocloft}%
18119         {#1 has no counter for use as a `within'}}
18120       \newcounter{#2}}%
18121     {\newcounter{#2}[#1]%
18122      \expandafter\edef\csname the#2\endcsname{%
18123        \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
18124     \fi
18125     \setcounter{#2}{0}
18126   }
18127   {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18128
18129   \@namedef{l@#2}##1##2{%
18130     \ifnum \@nameuse{c@#3depth} > #4\relax
18131       \vskip \@nameuse{cftbefore#2skip}
18132       {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
18133        \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18134        \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18135        \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18136        \interlinepenalty\@M
18137        \leavevmode
18138        \@tempdima \@nameuse{cft#2numwidth}\relax
18139        \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18140        \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18141        \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18142        \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightsk
18143          {\@nameuse{cft#2font}##1}\nobreak
18144          \@nameuse{cft#2fillnum}{##2}}
18145     \fi
18146   } % end of l@#2
18147
18148   \expandafter\newlength\csname cftbefore#2skip\endcsname
18149   \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
18150   \expandafter\newlength\csname cft#2indent\endcsname
18151   \expandafter\newlength\csname cft#2numwidth\endcsname
18152   \ifcase #4\relax % 0
18153     \setlength{\@nameuse{cft#2indent}}{0em}
18154     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
18155   \or % 1
18156     \setlength{\@nameuse{cft#2indent}}{1.5em}
18157     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
18158   \or % 2
18159     \setlength{\@nameuse{cft#2indent}}{3.8em}
18160     \setlength{\@nameuse{cft#2numwidth}}{3.2em}
18161   \or % 3
18162     \setlength{\@nameuse{cft#2indent}}{7.0em}

```



```

18163 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
18164 \else % anything else
18165 \setlength{\@nameuse{cft#2indent}}{10.0em}
18166 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
18167 \fi
18168 \@namedef{cft#2font}{\normalfont}
18169 \@namedef{cft#2presnum}{}
18170 \@namedef{cft#2aftersnum}{}
18171 \@namedef{cft#2aftersnumb}{}
18172 \@namedef{cft#2dotsep}{\cftdotsep}
18173 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
18174 \@namedef{cft#2pagefont}{\normalfont}
18175 \@namedef{cft#2afterpnum}{}
18176 \@namedef{toclevel@#2}{#4}
18177 \@namedef{cft#2fillnum}##1{%
18178 \{\@nameuse{cft#2leader}\}\nobreak
18179 \hbext@{\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}}\par}
18180 } % end \newlistentry
18181 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
18182 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
18183 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
18184 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
18185 \textit{#1}\protect\par}}}

```

## 7.116 tocbasic-xetex-bidi.def

```

18186 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package for]
18187 \bidi@undef\scr@dte@def@l@undottedtoctline
18188 \bidi@undef\scr@dte@undottedtoctline@init
18189 \DeclareTOCEntryStyle{undottedtoctline}[{%
18190 \DefineTOCEntryLengthOption{indent}%
18191 {\scr@tso@}{@indent}{entry indent}%
18192 \DefineTOCEntryLengthOption{numwidth}%
18193 {\scr@tso@}{@numwidth}{entry number width}%
18194 \@ifundefined{#1tocdepth}{%
18195 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18196 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18197 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18198 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18199 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18200 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18201 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18202 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{11}}{%
18203 \ifstr{#1}{table}{\@namedef{#1tocdepth}{12}}{%
18204 \expandafter\let\csname #1tocdepth\expandafter\endcsname
18205 \csname #1numdepth\endcsname
18206 }%
18207 }%
18208 }%
18209 }%

```



```

18210         }%
18211     }%
18212 }%
18213 }%
18214 }%
18215 }{}%
18216 \@ifundefined{scr@tso@#1@indent}{%
18217     \@ifundefined{scr@#1@tocindent}{%
18218         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18219             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18220                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18221                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18222                         \scr@ifundefinedorrelax{1@chapter}{%
18223                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18224                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18225                                     \ifstr{#1}{subsubsection}{%
18226                                         \@namedef{scr@tso@#1@indent}{3.8em}%
18227                                     }{%
18228                                         \ifstr{#1}{paragraph}{%
18229                                             \@namedef{scr@tso@#1@indent}{7em}%
18230                                         }{%
18231                                             \ifstr{#1}{subparagraph}{%
18232                                                 \@namedef{scr@tso@#1@indent}{10em}%
18233                                             }{%
18234                                                 }%
18235                                             }%
18236                                         }%
18237                                     }%
18238                                 }%
18239                             }{%
18240                                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18241                                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18242                                         \ifstr{#1}{subsubsection}{%
18243                                             \@namedef{scr@tso@#1@indent}{7.0em}%
18244                                         }{%
18245                                             \ifstr{#1}{paragraph}{%
18246                                                 \@namedef{scr@tso@#1@indent}{10em}%
18247                                             }{%
18248                                                 \ifstr{#1}{subparagraph}{%
18249                                                     \@namedef{scr@tso@#1@indent}{12em}%
18250                                                 }{%
18251                                                     }%
18252                                                 }%
18253                                             }%
18254                                         }%
18255                                     }%
18256                                 }%
18257                             }%
18258                         }%
18259                     }%

```



```

18260     }%
18261   }{%
18262     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18263   }%
18264 }{%
18265 \@ifundefined{scr@tso@#1@numwidth}{%
18266   \@ifundefined{scr@#1@tocnumwidth}{%
18267     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18268       \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18269         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18270           \scr@ifundefinedorrelax{chapter}{%
18271             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18272               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18273                 \ifstr{#1}{subsubsection}{%
18274                   \@namedef{scr@tso@#1@numwidth}{3.2em}%
18275                 }{%
18276                   \ifstr{#1}{paragraph}{%
18277                     \@namedef{scr@tso@#1@numwidth}{4.1em}%
18278                   }{%
18279                     \ifstr{#1}{subparagraph}{%
18280                       \@namedef{scr@tso@#1@numwidth}{5m}%
18281                     }{%
18282                       }%
18283                     }%
18284                   }%
18285                 }%
18286               }%
18287             }{%
18288               \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18289                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18290                   \ifstr{#1}{subsubsection}{%
18291                     \@namedef{scr@tso@#1@numwidth}{3.1em}%
18292                   }{%
18293                     \ifstr{#1}{paragraph}{%
18294                       \@namedef{scr@tso@#1@numwidth}{5em}%
18295                     }{%
18296                       \ifstr{#1}{subparagraph}{%
18297                         \@namedef{scr@tso@#1@numwidth}{6em}%
18298                       }{%
18299                         }%
18300                       }%
18301                     }%
18302                   }%
18303                 }%
18304               }%
18305             }%
18306           }%
18307         }%
18308       }{%
18309         \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%

```





```

18310 }%
18311 }{}%
18312 }]{%
18313 \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \@ne \relax
18314 \ifnum \@nameuse{#1tocdepth} < \@ne
18315 \scr@ifundefinedorrelax{chapter}{%
18316 \addpenalty\@secpenalty
18317 \addvspace{1.0em \@plus\p@}%
18318 }{%
18319 \addpenalty{-\@highpenalty}%
18320 \vskip 1.0em \@plus\p@
18321 }%
18322 \else
18323 \addpenalty\@secpenalty
18324 \addvspace{1.0em \@plus\p@}%
18325 \fi
18326 \setlength\@tempdima{\@nameuse{scr@tso@#1numwidth}}%
18327 \begingroup
18328 \parindent \z@ \bidi@rightskip \@pnumwidth
18329 \parfillskip -\@pnumwidth
18330 \leavevmode
18331 \bfseries
18332 \advance\bidi@leftskip\@tempdima
18333 \advance\bidi@leftskip\@nameuse{scr@tso@#1indent}%
18334 \hskip -\dimexpr \bidi@leftskip - \@nameuse{scr@tso@#1indent} \relax
18335 ##1%
18336 \nobreak
18337 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18338 \par
18339 \penalty\@highpenalty
18340 \endgroup
18341 \fi
18342 }
18343
18344 \bidi@undef\scr@dte@def@l@largetocline
18345 \bidi@undef\scr@dte@largetocline@init
18346 \DeclareTOCEntryStyle{largetocline}{%
18347 \DefineTOCEntryLengthOption{indent}%
18348 {scr@tso@}{@indent}{entry indent}%
18349 \@ifundefined{#1tocdepth}{%
18350 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18351 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18352 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18353 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18354 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18355 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18356 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18357 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18358 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18359 \expandafter\let\csname #1tocdepth\expandafter\endcsname

```



```

18360             \csname #1numdepth\endcsname
18361         }%
18362     }%
18363 }%
18364 }%
18365 }%
18366 }%
18367 }%
18368 }%
18369 }%
18370 }{%
18371 \ifundefined{scr@tso@#1@indent}{%
18372     \ifundefined{scr@#1@tocindent}{%
18373         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18374             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18375                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18376                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18377                         \scr@ifundefinedorrelax{1@chapter}{%
18378                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18379                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18380                                     \ifstr{#1}{subsubsection}{%
18381                                         \@namedef{scr@tso@#1@indent}{3.8em}%
18382                                     }{%
18383                                         \ifstr{#1}{paragraph}{%
18384                                             \@namedef{scr@tso@#1@indent}{7em}%
18385                                         }{%
18386                                             \ifstr{#1}{subparagraph}{%
18387                                                 \@namedef{scr@tso@#1@indent}{10em}%
18388                                             }{%
18389                                                 }%
18390                                             }%
18391                                         }%
18392                                     }%
18393                                 }{%
18394                                     }{%
18395                                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18396                                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18397                                                 \ifstr{#1}{subsubsection}{%
18398                                                     \@namedef{scr@tso@#1@indent}{7.0em}%
18399                                                 }{%
18400                                                     \ifstr{#1}{paragraph}{%
18401                                                         \@namedef{scr@tso@#1@indent}{10em}%
18402                                                     }{%
18403                                                         \ifstr{#1}{subparagraph}{%
18404                                                             \@namedef{scr@tso@#1@indent}{12em}%
18405                                                         }{%
18406                                                             }%
18407                                                         }%
18408                                                     }%
18409                                                 }%

```



```

18410         }%
18411     }%
18412 }%
18413 }%
18414 }%
18415 }%
18416 }{%
18417     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18418 }%
18419 }{%}%
18420 }]{%
18421     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
18422     \ifnum \@nameuse{#1tocdepth}<\@ne
18423         \scr@ifundefinedorrelax{chapter}{%
18424             \addpenalty\@secpenalty
18425             \addvspace{2.25em \@plus\p@}%
18426         }{%
18427             \addpenalty{-\@highpenalty}%
18428             \addvspace{2.25em \@plus\p@}%
18429         }%
18430     \else
18431         \addpenalty\@secpenalty
18432         \addvspace{2.25em \@plus\p@}%
18433     \fi
18434     \setlength\@tempdima{3em}%
18435     \begingroup
18436         \parindent \z@ \bidi@rightskip \@pnumwidth
18437         \parfillskip -\@pnumwidth
18438         \leavevmode
18439         \large
18440         \bfseries
18441         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
18442         ##1%
18443         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18444         \par
18445         \nobreak
18446         \ifnum 0=
18447             \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
18448             \global\@nobreaktrue
18449             \everypar{\global\@nobreakfalse\everypar{}}%
18450         \fi
18451     \endgroup
18452 \fi
18453 }
18454
18455 \renewcommand*{\scr@dte@tocline}[3]{%
18456     \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
18457     \else
18458         \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
18459         \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax

```



```

18460 {%
18461 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
18462 \bidi@rightskip \@tocrmarg
18463 \parfillskip -\bidi@rightskip
18464 \@nameuse{Ifscr@tso@#1@raggedpage}{%
18465 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
18466 }{%
18467 \parindent \@nameuse{scr@tso@#1@indent}\relax
18468 \@afterindenttrue
18469 \interlinepenalty\@M
18470 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
18471 \addtolength\bidi@rightskip\@flushglue
18472 \else
18473 \def\reserved@a{\raggedright}%
18474 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18475 \addtolength\bidi@rightskip\@flushglue
18476 \else
18477 \renewcommand\reserved@a{\raggedright}%
18478 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18479 \addtolength\bidi@rightskip\@flushglue
18480 \fi
18481 \fi
18482 \fi
18483 \leavevmode
18484 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
18485 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
18486 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{-}{%
18487 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
18488 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
18489 \fi
18490 }%
18491 }{%
18492 \advance\bidi@leftskip \@tempdima
18493 \null\nobreak\hskip -\bidi@leftskip
18494 {%
18495 \usetocbasicnumberline
18496 \let\scr@dte@numberline@box\numberline@box
18497 \def\numberline@box##1{%
18498 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
18499 \global\scr@dte@tocline@numberwidth
18500 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
18501 \ifdim \scr@dte@tocline@numberwidth
18502 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
18503 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
18504 \fi
18505 \@nameuse{Ifscr@tso@#1@dynnumwidth}{-}{%
18506 \ifdim \scr@dte@tocline@numberwidth
18507 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
18508 +\@nameuse{scr@tso@#1@numsep}\relax
18509 \PackageWarning{tocbasic%

```



```

18510         }{%
18511             number width of #1 toc entries should be
18512             increased!\MessageBreak
18513             Currently used number width =
18514             \the\wd\scr@dte@tocline@numbox,\MessageBreak
18515             Wanted number separation
18516             \space\space\space =
18517             \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
18518             Reserved number width \space\space\space\space\space\space =
18519             \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
18520         }%
18521     \fi
18522 }%
18523 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
18524     \@nameuse{Ifscr@tso@#1@breakafternumber}{%
18525         {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
18526     }{%}%
18527 }%
18528 \@nameuse{scr@tso@#1@entryformat}{%
18529     #2%
18530     \nobreak
18531     {%
18532         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
18533         \nobreak
18534         \@nameuse{scr@tso@#1@pagenumberbox}{%
18535             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
18536         }%
18537     }%
18538     \@par
18539 }%
18540 }%
18541 }%
18542 \tocbasic@SetPenaltyByTOCLevel{#1}%
18543 \fi
18544 }
18545
18546 \bidi@undef\scr@dte@def@l@tocline
18547 \bidi@undef\scr@dte@tocline@init
18548 \DeclareTOCEntryStyle{tocline}[{%
18549     \DefineTOCEntryLengthOption{beforeskip}%
18550     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
18551     \DefineTOCEntryIfOption{breakafternumber}%
18552     {scr@tso@}{@breakafternumber}{line break after number flag}%
18553     \DefineTOCEntryIfOption{dynnumwidth}%
18554     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
18555     \DefineTOCEntryCommandOption{entryformat}%
18556     {scr@tso@}{@entryformat}[1]{entry format}%
18557     \DefineTOCEntryCommandOption{entrynumberformat}%
18558     {scr@tso@}{@numberformat}[1]{entry number format}%
18559     \DefineTOCEntryCommandOption{linefill}{\TOCLineLeaderFill}%

```



```

18560 {scr@tso@}{@linefill}{filling between text and page number}%
18561 \DefineTOCEntryLengthOption{numsep}%
18562 {scr@tso@}{@numsep}{entry number separation}%
18563 \DefineTOCEntryCommandOption{onstarthigherlevel}%
18564 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
18565 \DefineTOCEntryCommandOption{onstartlowerlevel}%
18566 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
18567 \DefineTOCEntryCommandOption{onstartsamelevel}%
18568 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
18569 \DefineTOCEntryCommandOption{pagenumberbox}%
18570 {scr@tso@}{@pagenumberbox}[1]{page number box}%
18571 \DefineTOCEntryCommandOption{pagenumberformat}%
18572 {scr@tso@}{@pagenumberformat}[1]{page number format}%
18573 \DefineTOCEntryOption{raggedentrytext}[true]{%
18574 \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
18575 \ifx\FamilyKeyState\FamilyKeyStateProcessed
18576 \if@tempswa
18577 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18578 \raggedright
18579 \else
18580 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18581 \relax
18582 \fi
18583 \fi
18584 }%
18585 \DefineTOCEntryIfOption{raggedpagenumber}%
18586 {scr@tso@}{@raggedpage}{page number ragged flag}%
18587 \DefineTOCEntryLengthOption{indent}%
18588 {scr@tso@}{@indent}{entry indent}%
18589 \DefineTOCEntryLengthOption{numwidth}%
18590 {scr@tso@}{@numwidth}{entry number width}%
18591 \scr@ifundefinedorrelax{#1tocdepth}{%
18592 \ifstrstart{#1}{sub}{%
18593 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
18594 \expandafter\edef\csname #1tocdepth\endcsname{%
18595 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
18596 }%
18597 }%
18598 }{}%
18599 }{}%
18600 \@ifundefined{#1tocdepth}{%
18601 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18602 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18603 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18604 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18605 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18606 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18607 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18608 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18609 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%

```



```

18610         \expandafter\let\csname #1tocdepth\expandafter\endcsname
18611         \csname #1numdepth\endcsname
18612     }%
18613 }%
18614 }%
18615 }%
18616 }%
18617 }%
18618 }%
18619 }%
18620 }%
18621 }{}%
18622 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
18623     \@ifundefined{scr@#1@tocindent}{%
18624         \ifstrstart{#1}{sub}{%
18625             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
18626                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
18627                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18628                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18629                         \relax
18630                     }%
18631                 }%
18632             }{}%
18633             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
18634                 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18635                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18636                     \relax
18637                 }%
18638             }{}%
18639             \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18640                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18641                 +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18642                 \relax
18643             }%
18644         }%
18645     }%
18646 }{}%
18647 }{}%
18648     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18649 }%
18650 }{}%
18651 \@ifundefined{scr@tso@#1@indent}{%
18652     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18653     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18654     \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18655     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18656         \scr@ifundefinedorrelax{l@chapter}{%
18657             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18658             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18659             \ifstr{#1}{subsubsection}{%

```



```

18660         \@namedef{scr@tso@#1@indent}{3.8em}%
18661     }{%
18662         \ifstr{#1}{paragraph}{%
18663             \@namedef{scr@tso@#1@indent}{7em}%
18664         }{%
18665             \ifstr{#1}{subparagraph}{%
18666                 \@namedef{scr@tso@#1@indent}{10em}%
18667             }{%
18668                 }%
18669             }%
18670         }%
18671     }%
18672 }%
18673 }{%
18674     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18675     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18676         \ifstr{#1}{subsubsection}{%
18677             \@namedef{scr@tso@#1@indent}{7.0em}%
18678         }{%
18679             \ifstr{#1}{paragraph}{%
18680                 \@namedef{scr@tso@#1@indent}{10em}%
18681             }{%
18682                 \ifstr{#1}{subparagraph}{%
18683                     \@namedef{scr@tso@#1@indent}{12em}%
18684                 }{%
18685                     }%
18686                 }%
18687             }%
18688         }%
18689     }%
18690 }%
18691 }%
18692 }%
18693 }%
18694 }%
18695 }{%
18696     \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
18697         \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
18698             \ifstrstart{#1}{sub}{%
18699                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
18700                     \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
18701                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18702                             +.9em%
18703                     }%
18704                 }%
18705             }%
18706         }{%
18707             }{%
18708                 \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18709             }%

```





```

18710 }{}%
18711 \ifundefined{scr@tso@#1@numwidth}{%
18712   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18713     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18714       \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18715         \scr@ifundefinedorrelax{chapter}{%
18716           \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18717             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18718               \ifstr{#1}{subsubsection}{%
18719                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
18720               }{%
18721                 \ifstr{#1}{paragraph}{%
18722                   \@namedef{scr@tso@#1@numwidth}{4.1em}%
18723                 }{%
18724                   \ifstr{#1}{subparagraph}{%
18725                     \@namedef{scr@tso@#1@numwidth}{5m}%
18726                   }{%
18727                     }%
18728                   }%
18729                 }%
18730               }%
18731             }%
18732           }{%
18733             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18734               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18735                 \ifstr{#1}{subsubsection}{%
18736                   \@namedef{scr@tso@#1@numwidth}{3.1em}%
18737                 }{%
18738                   \ifstr{#1}{paragraph}{%
18739                     \@namedef{scr@tso@#1@numwidth}{5em}%
18740                   }{%
18741                     \ifstr{#1}{subparagraph}{%
18742                       \@namedef{scr@tso@#1@numwidth}{6em}%
18743                     }{%
18744                       }%
18745                     }%
18746                   }%
18747                 }%
18748               }%
18749             }%
18750           }%
18751         }%
18752       }%
18753     }{}%
18754   \expandafter\renewcommand%
18755   \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
18756   \expandafter\renewcommand%
18757   \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
18758   \expandafter\renewcommand%
18759   \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%

```



```

18760 \ifundefined{scr@tso@#1@beforeskip}{%
18761   \ifstr{#1}{part}{%
18762     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
18763   }{%
18764     \ifstr{#1}{chapter}{%
18765       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
18766     }{%
18767       \ifstr{#1}{section}{%
18768         \scr@ifundefinedorrelax{1@chapter}{%
18769           \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
18770         }{%
18771           }{}%
18772         }%
18773       }%
18774       \expandafter\renewcommand\expandafter*%
18775       \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
18776     }{}%
18777     \ifundefined{scr@dte@#1@maxnumwidth}{%
18778       \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
18779       \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
18780     }{}%
18781     \renewcommand*{\scr@dte@donumwidth}{}%
18782     \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
18783     \expandafter\renewcommand\expandafter*%
18784     \csname scr@tso@#1@numsep\endcsname{.4em}%
18785     \expandafter\renewcommand%
18786     \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
18787     \ifstr{#1}{part}{%
18788       \expandafter\renewcommand%
18789       \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
18790     }{%
18791       \ifstr{#1}{chapter}{%
18792         \expandafter\renewcommand%
18793         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18794       }{%
18795         \scr@ifundefinedorrelax{1@chapter}{%
18796           \ifstr{#1}{section}{%
18797             \expandafter\renewcommand%
18798             \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18799           }{}%
18800         }{}%
18801         \expandafter\renewcommand%
18802         \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
18803       }%
18804     }%
18805     \expandafter\renewcommand
18806     \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
18807     \ifundefined{scr@tso@#1@linefill}{%
18808       \ifstr{#1}{part}{%
18809         \@namedef{scr@tso@#1@linefill}{\hfill}%

```



```

18810 }{%
18811   \ifstr{#1}{chapter}{%
18812     \@namedef{scr@tso@#1@linefill}{\hfill}%
18813   }{%
18814     \scr@ifundefinedorrelax{1@chapter}{%
18815       \ifstr{#1}{section}{%
18816         \@namedef{scr@tso@#1@linefill}{\hfill}%
18817       }{}
18818     }{}
18819     \expandafter\renewcommand%
18820     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18821   }%
18822 }%
18823 }{%}%
18824 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
18825 \ifstr{#1}{part}{%
18826   \expandafter\renewcommand%
18827   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
18828 }{%
18829   \expandafter\renewcommand%
18830   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18831     {\normalfont\normalcolor ##1}}%
18832 }%
18833 \expandafter\renewcommand%
18834 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
18835   \hb@xt@{\pnumwidth}{\hfil ##1}}%
18836 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
18837 }]{%
18838   \scr@dte@tocline{#1}{##1}{##2}%
18839 }
18840

```

## 7.117 tocstyle-xetex-bidi.def

```

18841 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for]
18842 \renewcommand*{\tocstyle@dottedtocline}[5]{%
18843   \let\numberline\tocstyle@numberline
18844   \ifnum #1>\c@tocdepth \else
18845     \if@tocstyle@penalties
18846       \begingroup
18847         \@tempcnta 20010
18848         \advance \@tempcnta by -#1
18849         \ifnum \@tempcnta>\lastpenalty
18850           \aftergroup\penalty\aftergroup\@lowpenalty
18851         \fi
18852       \endgroup
18853     \fi
18854     \edef\tocstyle@depth{#1}%
18855     \tocstyle@activate@features
18856     \ifx\tocstyle@feature@entryvskip\relax

```



```

18857     \vskip \z@ \@plus.2\p@
18858 \else
18859     \addvspace{\tocstyle@feature@entryvskip}%
18860 \fi
18861 {%
18862 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
18863 \tocstyle@feature@raggedhook
18864 \@tempdima #3\relax
18865 \@tempdimb #2\relax
18866 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18867 \ifnum #1>\z@\relax
18868     \@tempcnta #1\relax \advance\@tempcnta \m@ne
18869 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18870 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18871     \@tempdimb
18872     \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18873     \advance\@tempdimb
18874     \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18875 \fi
18876 \fi
18877 \fi
18878 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18879 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
18880 \ifdim \@tempdimb>
18881     \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
18882     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
18883         @#1\endcsname{\the\@tempdimb}%
18884 \fi
18885 \else
18886     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
18887         @#1\endcsname{\the\@tempdimb}%
18888 \fi
18889 \iftocstyle@autolength
18890     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
18891     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
18892     \relax
18893 \fi
18894     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18895     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18896     \relax
18897 \fi
18898     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18899     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18900 \else
18901     \@tempdimb #2\relax
18902     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18903 \fi
18904 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
18905 \ifdim \@tempdima>
18906     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax

```



```

18907         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18908         @\endcsname{\the\@tempdima}%
18909     \fi
18910 \else
18911     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18912     @\endcsname{\the\@tempdima}%
18913 \fi
18914 \ifcase\tocstyle@indentstyle\relax\else
18915     \@tempdimb \z@
18916     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18917     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18918     \relax
18919     \fi
18920     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18921     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18922 \fi
18923 \advance\parindent \@tempdimb\@afterindenttrue
18924 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
18925 \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
18926 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18927 \ifx\tocstyle@feature@parfillskip\relax\else
18928     \advance\parfillskip \tocstyle@feature@parfillskip\relax
18929 \fi
18930 \interlinepenalty\@M
18931 \leavevmode
18932 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
18933 \null\nobreak
18934 \iftocstyle@indentnotnumbered\else
18935     \hskip -\if@RTL\rightskip\else\leftskip\fi
18936 \fi
18937 \tocstyle@feature@entryhook
18938 {#4}\nobreak
18939 \ifx\tocstyle@feature@leaders\relax
18940     \leaders\hbox{$\m@th
18941         \mkern \dotsep mu\hbox{\tocstyle@feature@dothook .}%
18942         \mkern \dotsep mu$}\hfill
18943 \else
18944     \tocstyle@feature@leaders
18945 \fi
18946 \nobreak
18947 \ifx\tocstyle@feature@pagenumberbox\relax
18948     \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
18949 \else
18950 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
18951 \fi
18952 \par
18953 }%
18954 \iftocstyle@penalties
18955     \bgroup
18956     \@tempcnta 20009

```



```

18957         \advance\@tempcnta by -#1
18958         \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
18959         \reserved@a
18960     \fi
18961 \fi}
18962 \renewcommand*{\tocstyle@numberline}[1]{%
18963     \begingroup
18964     \ifx\tocstyle@feature@spaceafternumber\relax
18965         \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
18966     \else
18967         \settowidth\@tempdima{\tocstyle@numberline{#1}}%
18968         \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
18969     \fi
18970     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
18971         \ifdim \@tempdima >
18972             \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
18973             \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18974                 @\tocstyledepth\endcsname{\the\@tempdima}%
18975         \fi
18976     \else
18977         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18978             @\tocstyledepth\endcsname{\the\@tempdima}%
18979     \fi
18980 \endgroup
18981 \iftocstyle@indentnotnumbered
18982     \hskip -\if@RTL\rightskip\else\leftskip\fi
18983 \fi
18984 \ifcase \tocstyle@indentstyle
18985     \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
18986 \or
18987     \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
18988 \else
18989     \ifx\tocstyle@feature@spaceafternumber\relax
18990         \hbox{\tocstyle@numberline{#1}\enskip}%
18991     \else
18992         \hbox{\tocstyle@numberline{#1}\hskip
18993             \tocstyle@feature@spaceafternumber\relax}%
18994     \fi
18995 \fi
18996 }
18997 \AtBeginDocument{%
18998     \ifcsname l@part\endcsname
18999     \ifcsname l@chapter\endcsname
19000         \setbox\@tempboxa\vbox{\hsize\maxdimen
19001             \l@part{\tocstyle@l@define{part}{-1}}{}}%
19002     \else
19003         \setbox\@tempboxa\vbox{\hsize\maxdimen
19004             \l@part{\tocstyle@l@define{part}{0}}{}}%
19005     \fi
19006 \fi

```



```

19007 \ifcsname l@chapter\endcsname
19008   \setbox\@tempboxa\vbox{\hsize\maxdimen
19009     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19010 \fi
19011 \ifcsname l@section\endcsname
19012   \setbox\@tempboxa\vbox{\hsize\maxdimen
19013     \l@section{\tocstyle@l@define{section}{1}}{}}%
19014 \fi
19015 \ifcsname l@subsection\endcsname
19016   \setbox\@tempboxa\vbox{\hsize\maxdimen
19017     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19018 \fi
19019 \ifcsname l@subsubsection\endcsname
19020   \setbox\@tempboxa\vbox{\hsize\maxdimen
19021     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19022 \fi
19023 \ifcsname l@paragraph\endcsname
19024   \setbox\@tempboxa\vbox{\hsize\maxdimen
19025     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19026 \fi
19027 \ifcsname l@subparagraph\endcsname
19028   \setbox\@tempboxa\vbox{\hsize\maxdimen
19029     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19030 \fi
19031 \ifcsname l@table\endcsname
19032   \setbox\@tempboxa\vbox{\hsize\maxdimen
19033     \l@table{\tocstyle@l@define{table}{1}}{}}%
19034 \fi
19035 \ifcsname l@figure\endcsname
19036   \setbox\@tempboxa\vbox{\hsize\maxdimen
19037     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19038 \fi
19039 \def\@tempa#1#2#3#4#5{%
19040   \ifnum #1>\c@tocdepth \else
19041     \vskip \z@ \@plus.2\p@
19042     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19043       \parindent #2\relax\@afterindenttrue
19044       \interlinepenalty\@M
19045       \leavevmode
19046       \@tempdima #3\relax
19047       \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righs
19048       {#4}\nobreak
19049       \leaders\hbox{$\m@th
19050         \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19051         mu$}\hfill
19052       \nobreak
19053       \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19054       \par}%
19055 \fi}%
19056 \ifx\@dottedtocline\@tempa\else

```



```

19057 \tocstyle@macrochangewarning\@dottedtocline
19058 \fi
19059 \let\tocstyle@saved@dottedtocline\@dottedtocline
19060 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
19061 \ifx\numberline\@tempa\else
19062 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
19063 \ifx\numberline\@tempa\else
19064 \tocstyle@macrochangewarning\numberline
19065 \fi
19066 \fi
19067 \let\tocstyle@saved\@numberline\@numberline
19068 }
19069 \renewcommand*{\tocstyle@l@define}[2]{%
19070 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
19071 \edef\@tempa{%
19072 \noexpand\global\noexpand\let
19073 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19074 \expandafter\noexpand\csname l@#1\endcsname
19075 \noexpand\gdef
19076 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19077 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
19078 \noexpand\g@addto\macro\noexpand\tocstyle@activate@all@l@%
19079 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19080 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
19081 }%
19082 }%
19083 \PackageInfo{tocstyle}{prepare \expandafter\string
19084 \csname l@#1\endcsname\space for redefinition}%
19085 \@tempa
19086 }

```

## 7.118 todonotes-xetex-bidi.def

```

19087 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
19088 \newif\if@bidi@todonotes@textdirection@RTL
19089 \newif\if@bidi@todonotes@figposition@right
19090 \newcommand{\@bidi@todonotes@align}{}%
19091 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19092 \newcommand{\@bidi@todonotes@textdirection}{}%
19093 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
19094 \ifcase\@bidi@todonotes@tempb\relax
19095 \@bidi@todonotes@textdirection@RTLtrue
19096 \let\@bidi@todonotes@textdirection\@RTL
19097 \or
19098 \@bidi@todonotes@textdirection@RTLfalse
19099 \let\@bidi@todonotes@textdirection\@LRE
19100 \fi}
19101 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
19102 \ifcase\@bidi@todonotes@tempb\relax
19103 \@bidi@todonotes@figposition@righttrue

```





```

19104 \or
19105 \bidi@todonotes@figposition@rightfalse
19106 \fi}
19107 \if@todonotes@disabled%
19108 \else % \if@todonotes@disabled
19109 \renewcommand{\@todonotes@drawInlineNote}{%
19110 \if@todonotes@dviStyle%
19111 {\par\noindent\begin{tikzpicture}[remember picture]%
19112 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19113 \if@todonotes@authorgiven%
19114 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19115 \else%
19116 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19117 \fi
19118 {\par\noindent\begin{tikzpicture}[remember picture]%
19119 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19120 \else%
19121 {\par\noindent\begin{tikzpicture}[remember picture]%
19122 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19123 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]
19124 \if@todonotes@authorgiven%
19125 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19126 \else%
19127 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19128 \fi};%
19129 \end{tikzpicture}\par}%
19130 \fi}%
19131 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19132 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19133 \node [coordinate] (inText) {};%
19134 \end{tikzpicture}%
19135 \marginpar[{} Draw note in left margin
19136 \@todonotes@drawMarginNote%
19137 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19138 }]{% Draw note in right margin
19139 \@todonotes@drawMarginNote%
19140 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19141 }%
19142 }%
19143 \renewcommand{\@todonotes@drawMarginNote}{%
19144 \if@todonotes@dviStyle%
19145 \begin{tikzpicture}[remember picture]%
19146 \draw node[notestyle] {};%
19147 \end{tikzpicture}\\%
19148 \begin{minipage}{\@todonotes@textwidth}%
19149 \if@todonotes@authorgiven%
19150 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19151 \else%
19152 \@todonotes@sizecommand \@todonotes@text%
19153 \fi%

```



```

19154 \end{minipage}\\%
19155 \begin{tikzpicture}[remember picture]%
19156 \draw node[notestyle] (inNote) {};%
19157 \end{tikzpicture}%
19158 \else%
19159 \let\originalHbadness\hbadness%
19160 \hbadness 100000%
19161 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
19162 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19163 \node(X){\vphantom{X}};%
19164 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]
19165 {\@todonotes@text};%
19166 \if@todonotes@authorgiven%
19167 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]
19168 {\@todonotes@sizecommand\@todonotes@author};%
19169 \node(Y)[below=of X]{};%
19170 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]
19171 {\@todonotes@text};%
19172 \else%
19173 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]
19174 {\@todonotes@text};%
19175 \fi%
19176 \end{tikzpicture}%
19177 \hbadness \originalHbadness%
19178 \fi}%
19179 \renewcommand{\missingfigure}[2][]{%
19180 \setkeys{todonotes}{#1}%
19181 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
19182 \par
19183 \noindent
19184 \begin{tikzpicture}
19185 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
19186 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
19187 \if@bidi@todonotes@figposition@right%
19188 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19189 \fi%
19190 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
19191 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
19192 \if@bidi@todonotes@figposition@right%
19193 \end{scope}
19194 \begin{scope}[xshift=-3.8cm]
19195 \fi%
19196 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19197 \draw (2, -0.3) node[right, text
19198 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
19199 \if@bidi@todonotes@figposition@right%
19200 \end{scope}
19201 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19202 \fi%
19203 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@}}

```



```

19204 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19205 \if@bidi@todonotes@figposition@right%
19206 \end{scope}}
19207 \fi%
19208 \end{tikzpicture}\hfill
19209 }% Ending \missingfigure command
19210 \fi % Ending \@todonotes@ifdisabled
19211 \presetkeys%
19212     {todonotes}%
19213     {align=left,%
19214     textdirection=lefttoright,%
19215     figposition=left}{}%

```

## 7.119 wrapfig-xetex-bidi.def

```

19216 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
19217 \let\WF@@everypar\bidi@n@everypar
19218 \def\WF@putfigmaybe{%
19219 \ifinner
19220 \vskip-\parskip \global\WF@floatfalse
19221 \let\pagetotal\maxdimen % kludge flag for "not top of page"
19222 \else % outer page
19223 \@tempdima\pagedepth % save page depth
19224 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
19225 \penalty\interlinepenalty % update pg. parameters
19226 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
19227 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
19228 \global\WF@floatfalse
19229 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
19230 \else
19231 \ifdim\WF@size>\@tempdimb
19232 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
19233 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
19234 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
19235 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
19236 \advance\dimen@.5\baselineskip
19237 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
19238 \global\WF@floatfalse \pagebreak
19239 \fi
19240 \else % \WF@info{Fits in \the\@tempdimb;}%
19241 \global\WF@floatfalse
19242 \fi\fi
19243 \vskip\@tempdima\relax % (return erased page depth)
19244 \fi
19245 \noindent
19246 \ifWF@float
19247 \WF@fltmes
19248 \else % putting here;
19249 \WF@info{Put \WF@wfname here;}%
19250 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement

```



```

19251 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
19252 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
19253 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
19254 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
19255 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
19256 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
19257 \xdef\WF@adjlw{\the\@tempdima}%
19258 \ifnum `l=\WF@place % fig on left
19259 \if@RTL%
19260 \kern\@tempdimb \kern\columnsep
19261 \def\@tempa{\hss}% position to left of the gap
19262 \else%
19263 \hss % figure overlaps space to the left
19264 \def\@tempa{\kern\columnsep}% position to left of the gap
19265 \fi%
19266 \else % fig on right
19267 \if@RTL%
19268 \hss
19269 \@tempdima\z@
19270 \def\@tempa{\kern\columnsep}
19271 \else%
19272 \@tempdima\z@ % no left indentation
19273 \kern\@tempdimb \kern\columnsep
19274 \def\@tempa{\hss}% figure overlaps space to the right
19275 \fi%
19276 \fi
19277 \ifdim\@tempdimb<\hsize
19278 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
19279 \xdef\WF@adjtllm{\the\@tempdima}%
19280 \else
19281 \xdef\WF@wrapil{\z@ \the\hsize}%
19282 \xdef\WF@adjlw{\z@}\xdef\WF@adjtllm{\z@}%
19283 \fi
19284 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
19285 \global\advance\WF@size-\intextsep
19286 \else % \WF@info{Putting \WF@wfname in middle of page}%
19287 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
19288 \fi \dp\WF@box\z@ \box\WF@box \@tempa
19289 }% end \hbox to Opt
19290 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
19291 \fi}

```

## 7.120 xcolor-xetex-bidi.def

```

19292 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeTeX]
19293 \long\def\color@b@x#1#2#3%
19294 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
19295 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
19296 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
19297 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@

```



```

19298 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmode\else\if@RTL\endL\fi\fi}
19299 \def\normalcolor{\let\current@color\default@color\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi}
19300 \DeclareRobustCommand\color
19301 {\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
19302 \def\@undeclaredcolor[#1]#2%
19303 {\begingroup
19304 \let\@cls\@empty
19305 \XC@getmodclr12{#1}{#2}{}%
19306 {\ifblendcolors
19307 \ifx\colorblend\@empty\else
19308 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
19309 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
19310 \fi
19311 \fi
19312 \ifconvertcolorsU
19313 \edef\@tmp{\XC@tgt@mod{\@mod}}%
19314 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19315 \fi
19316 \ifmaskcolors
19317 \convertcolorspec\@mod\@clr\XC@mmod\@clr
19318 \let\@mod\XC@mmod
19319 \XC@inflate\@mod\XC@mclr\@clr\@tmp
19320 \expandafter\XC@mul\@tmp,\@clr
19321 \fi
19322 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
19323 \expandafter\endgroup\@tmp}}
19324 \def\@declaredcolor#1%
19325 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19326 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19327 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19328 \ifconvertcolorsU\XC@tsttrue\fi
19329 \fi
19330 \ifXC@tst
19331 \expandafter\XC@declaredcolor\else
19332 \expandafter\XC@declaredc@lor\fi}
19333 \def\XC@undeclaredcolor#1#2%
19334 {\@ifundefinedmodel{#1}%
19335 {\c@lor@error{model `#1'}}%
19336 {\@nameuse{color@#1}\current@color{#2}}%
19337 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
19338 \XC@display}\ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19339 \def\XC@declaredc@lor
19340 {\XC@let@Nc\XC@current@color{\string\color\XC@tmp}%
19341 \edef\current@color{\XC@current@color}%
19342 \XC@display\ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19343 \DeclareRobustCommand\bidicolor
19344 {\@ifnextchar[\@bidiundeclaredcolor\@bidiundeclaredcolor}
19345 \def\@bidiundeclaredcolor[#1]#2%
19346 {\begingroup
19347 \let\@cls\@empty

```



```

19348 \XC@getmodclr12{#1}{#2}{}%
19349 {\ifblendcolors
19350   \ifx\colorblend\empty\else
19351     \edef\@mix{\expandafter@gobble\colorblend}\@tempwafalse
19352     \XC@coremodel\@mod\@clr\xcolor@{}{}\@mod\@clr
19353   \fi
19354 \fi
19355 \ifconvertcolorsU
19356   \edef\@tmp{\XC@tgt@mod{\@mod}}%
19357   \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19358 \fi
19359 \ifmaskcolors
19360   \convertcolorspec\@mod\@clr\XC@mmod\@clr
19361   \let\@mod\XC@mmod
19362   \XC@inflate\@mod\XC@mclr\@clr\@tmp
19363   \expandafter\XC@mul\@tmp,\@clr
19364 \fi
19365 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
19366 \expandafter\endgroup\@tmp}}
19367 \def\XC@bidiundeclaredcolor#1#2%
19368 {\@ifundefinedmodel{#1}%
19369  {\color@error{model `#1'}}%
19370  {\@nameuse{color@#1}\current@color{#2}%
19371   \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
19372   \XC@display}}
19373 \def\@bidideclaredcolor#1%
19374 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19375  \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19376    \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19377    \ifconvertcolorsU\XC@tsttrue\fi
19378  \fi
19379  \ifXC@tst
19380    \expandafter\XC@bidideclaredcolor\else
19381    \expandafter\XC@bidideclaredc@lor\fi}
19382 \def\XC@bidideclaredcolor
19383 {\XC@split\XC@tmp
19384  \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
19385  \expandafter\endgroup\@tmp}
19386 \def\XC@bidideclaredc@lor
19387 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
19388  \edef\current@color{\XC@current@color}%
19389  \XC@display}
19390 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
19391 \def\color@fbbox#1#2#3#4{\protect\color@fb@x{#1}{#2}{#3}}
19392 \def\color@fb@x#1#2#3#4%
19393 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
19394  {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
19395 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```



## 7.121 latex-xetex-bidi.def

```

19396 \ProvidesFile{latex-xetex-bidi.def}[2016/09/11 v1.2.8 bidi adaptations for `latex.ltx' for XeTeX]
19397 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
19398 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
19399 \TeXXeTOn
19400 \def\bidi@RTL@everypar{{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
19401 \let\bidi@o@everypar=\everypar
19402 \newtoks\bidi@n@everypar
19403 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
19404 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
19405 \let\everypar=\bidi@n@everypar
19406 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
19407 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
19408 \protected\def\hboxR{\hbox\bgroup
19409 \everyhbox{%
19410 \aftergroup\egroup
19411 \everyhbox{}}%
19412 \beginR
19413 \@hboxRconstructtrue
19414 \bgroup
19415 \aftergroup\endR
19416 \aftergroup\egroup
19417 }\hbox}
19418 \protected\def\hboxL{\hbox\bgroup
19419 \everyhbox{%
19420 \aftergroup\egroup
19421 \everyhbox{}}%
19422 \beginL
19423 \@hboxRconstructfalse
19424 \bgroup
19425 \aftergroup\endL
19426 \aftergroup\egroup
19427 }\hbox}
19428 \protected\def\vboxR{\vbox\bgroup
19429 \everyvbox{%
19430 \aftergroup\egroup
19431 \everyvbox{}}%
19432 \@RTLtrue
19433 \@RTLtabtrue
19434 \bgroup
19435 \aftergroup\egroup
19436 }\vbox}
19437 \protected\def\vboxL{\vbox\bgroup
19438 \everyvbox{%
19439 \aftergroup\egroup
19440 \everyvbox{}}%
19441 \@RTLfalse
19442 \@RTLtabfalse
19443 \bgroup

```



```

19444 \aftergroup\egroup
19445 }\vbox}
19446 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
19447 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
19448 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
19449 \def\endLTR{\par}
19450 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
19451 \def\endRTL{\par}
19452 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
19453 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
19454 \let\unsetRTL=\setLTR
19455 \let\unsetLTR=\setRTL
19456 \let\LR=\LRE
19457 \let\RL=\RLE
19458 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
19459 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
19460 \let\@ensure@RL=\@ensure@RTL
19461 \let\@ensure@LR=\@ensure@LTR
19462 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
19463 \let\@ensure@maindir=\@ensure@dir
19464 \def\@RTL{RTL}
19465 \def\@LTR{LTR}
19466 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
19467 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi\fi}
19468 \let\@TeX\TeX
19469 \def\TeX{\@ensure@LTR{\@TeX}}
19470 \let\@LaTeX\LaTeX
19471 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
19472 \let\@LaTeXe\LaTeXe
19473 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
19474 \long\def\bidi@reflect@box#1{%
19475 \leavevmode
19476 \setbox\z@\hbox{#1}%
19477 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
19478 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
19479 }
19480 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19481 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
19482 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19483 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
19484 \let\setRL=\setRTL
19485 \let\setLR=\setLTR
19486 \let\unsetRL=\setLTR
19487 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
19488 \ifpackageloaded{array}{%
19489 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
19490 \leavevmode
19491 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
19492 \let\dollarend\end\group
19493 \@tabarray}

```





```

19494 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
19495 }{%
19496 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
19497 \leavevmode \hbox \bgroup
19498 $\left.\let\@acol\@tabacol
19499 \let\@classz\@tabclassz
19500 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19501
19502 \def\endbidi@tabular@RTLcases{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
19503 \egroup\right\rbrace $\egroup}}
19504 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
19505 \ialign{##\hfil$&\quad{##}\hfil\crrc#1\crrc}}\,,\right\}}
19506 \renewenvironment{RTLcases}{%
19507 \bidi@matrix@check\RTLcases\env@RTLcases
19508 }{%
19509 \endbidi@tabular@RTLcases%
19510 }
19511 \def\env@RTLcases{%
19512 \let\@ifnextchar\bidi@new@ifnextchar
19513 \def\arraystretch{1.2}%
19514 \bidi@tabular@RTLcases{@{ }r@{\quad}r@{}}}%
19515 }
19516 \def\SepMark#1{\gdef\@SepMark{#1}}
19517 \SepMark{.}
19518 \def\@thmcountersep{\@SepMark}
19519 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
19520 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
19521 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
19522 \def\list#1#2{%
19523 \ifnum \@listdepth >5\relax
19524 \@toodeep
19525 \else
19526 \global\advance\@listdepth\@ne
19527 \fi
19528 \rightmargin\z@
19529 \listparindent\z@
19530 \itemindent\z@
19531 \csname @list\romannumeral\the\@listdepth\endcsname
19532 \def\@itemlabel{#1}%
19533 \let\makelabel\@mklab
19534 \@nmbrrlistfalse
19535 #2\relax
19536 \@trivlist
19537 \parskip\parsep
19538 \parindent\listparindent
19539 \advance\linewidth -\rightmargin
19540 \advance\linewidth -\leftmargin
19541 \if@bidi@list@minipage@parbox
19542 \if@RTL
19543 \advance\@totalleftmargin \leftmargin

```



```

19544 \else
19545 \advance\@totalleftmargin \rightmargin
19546 \fi
19547 \else
19548 \if@hboxRconstruct
19549 \if@bidi@list@minipage@parbox@not@nob
19550 \if@RTL
19551 \advance\@totalleftmargin \rightmargin
19552 \else
19553 \advance\@totalleftmargin \leftmargin
19554 \fi
19555 \else
19556 \if@RTL
19557 \advance\@totalleftmargin \leftmargin
19558 \else
19559 \advance\@totalleftmargin \rightmargin
19560 \fi\fi
19561 \else
19562 \if@RTL
19563 \advance\@totalleftmargin \rightmargin
19564 \else
19565 \advance\@totalleftmargin \leftmargin
19566 \fi\fi\fi
19567 \parshape \@ne \@totalleftmargin \linewidth
19568 \ignorespaces}
19569 \long\def\@iiparbox#1#2[#3]#4#5{%
19570 \leavevmode
19571 \@pboxswfalse
19572 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
19573 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
19574 \setlength\@tempdima{#4}%
19575 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
19576 \ifx\relax#2\else
19577 \setlength\@tempdimb{#2}%
19578 \edef\@parboxto{to\the\@tempdimb}%
19579 \fi
19580 \if#1b\vbox
19581 \else\if #1t\vtop
19582 \else\ifmmode\vcenter
19583 \else\@pboxswtrue $\vcenter
19584 \fi\fi\fi
19585 \@parboxto{\let\hss\vss\let\unhbox\unvbox
19586 \csname bm@#3\endcsname}%
19587 \if@pboxsw \m@th$\fi
19588 \@end@tempboxa}
19589 \def\@bidi@lrbox#1{%
19590 \edef\reserved@a{%
19591 \endgroup
19592 \setbox#1\hbox{%
19593 \begingroup\aftergroup}%

```



```

19594         \def\noexpand\@currentvir{\@currentvir}%
19595         \def\noexpand\@currentvline{\on@line}}%
19596     \reserved@a
19597     \@endpfalse
19598     \color@begingroup
19599     \ignorespaces}
19600 \def\endbidi@lrbox{\unskip\color@endgroup}
19601 \newenvironment{LTRitems}
19602     {\par\@RTLfalse\@RTLtabfalse
19603     \if@bidi@list@minipage@parbox
19604         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19605         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
19606         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19607         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19608         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
19609         \ignorespaces}{\vskip\z@}
19610 \newenvironment{RTLitems}
19611     {\par\@RTLtrue\@RTLtabtrue
19612     \if@bidi@list@minipage@parbox
19613         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19614         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
19615         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19616         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19617         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
19618         \ignorespaces}{\vskip\z@}
19619 \newenvironment{LTRbibitems}
19620     {\par\@RTLfalse\@RTLtabfalse
19621     \if@bidi@list@minipage@parbox
19622         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19623         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
19624         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19625         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19626         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
19627         \ignorespaces}{\vskip\z@}
19628 \newenvironment{RTLbibitems}
19629     {\par\@RTLtrue\@RTLtabtrue
19630     \if@bidi@list@minipage@parbox
19631         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19632         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
19633         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19634         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19635         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
19636         \ignorespaces}{\vskip\z@}
19637 \def\raggedright{%
19638     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
19639     \leftskip\z@skip
19640     \parindent\z@\parfillskip\z@skip}
19641 \let\bidi@orig@raggedleft\raggedleft
19642 \let\bidi@orig@raggedright\raggedright
19643 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRcon

```



```

19644 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRcon
19645 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
19646 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
19647 \def\centerline#1{%
19648 \if@RTL\@@line{\hss\beginR#1\endR\hss}
19649 \else\@@line{\hss#1\hss}\fi}
19650 \def\leftline#1{%
19651 \if@RTL\@@line{\beginR#1\endR\hss}
19652 \else\@@line{#1\hss}\fi}
19653 \def\rightline#1{%
19654 \if@RTL\@@line{\hss\beginR#1\endR}
19655 \else\@@line{\hss#1}\fi}
19656 \let\bidi@orig@leftline\leftline
19657 \let\bidi@orig@rightline\rightline
19658 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
19659 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
19660 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
19661 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
19662 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
19663 \hangindent \if@RTL-\else\fi wd\@tempboxa\noindent\box\@tempboxa}
19664 \def\narrower{%
19665 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
19666 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
19667 \def\underline#1{%
19668 \relax
19669 \ifmmode\@underline{#1}%
19670 \else
19671 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
19672 \else
19673 $\@underline{\hbox{#1}}\m@th$\relax\fi\fi}
19674 \if@compatibility
19675 \let\undertext=\underline
19676 \fi
19677 \def\@tabular{%
19678 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
19679 $\let\@acol\@tabacol
19680 \let\@classz\@tabclassz
19681 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19682 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
19683 \egroup $\if@RTLtab\endR\fi\egroup}
19684 \expandafter \let \csname endtabular*\endcsname = \endtabular
19685 \def\@array[#1]#2{%
19686 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
19687 \bgroup
19688 \setbox\@arstrutbox\hbox{%
19689 \vrule \@height\arraystretch\ht\strutbox
19690 \@depth\arraystretch \dp\strutbox
19691 \@widthz@}%
19692 \mkpream{#2}%
19693 \edef\@preamble{%

```



```

19694 \ialign \noexpand\@halignto
19695 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
19696 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
19697 \let\tabularnewline\%
19698 \let\par\@empty
19699 \let\@sharp##%
19700 \set@typeset@protect
19701 \lineskip\z@skip\baselineskip\z@skip
19702 \ifhmode \@preamerr\z@ \@@par\fi
19703 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
19704 \@preamble}
19705 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
19706 \let\@classiv\@arrayclassiv
19707 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
19708 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
19709 \ifnum \@lastchclass=3 5 \else
19710 \z@ \if #1c\@chnum \z@ \else
19711 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
19712 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
19713 \@chclass \if #1|\@one \else
19714 \if #1@\tw@ \else
19715 \if #1p3 \else \z@ \@preamerr 0\fi
19716 \fi \fi \fi \fi \fi \fi
19717 \fi}
19718 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
19719 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
19720 \def\bm@t{\unhbox\@tempboxa\hss}
19721 \def\bm@b{\hss\unhbox\@tempboxa}
19722 \def\@dottedtocline#1#2#3#4#5{%
19723 \ifnum #1>\c@tocdepth \else
19724 \vskip \z@ \@plus.2\p@
19725 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
19726 \parindent #2\relax\@afterindenttrue
19727 \interlinepenalty\@M
19728 \leavevmode
19729 \@tempdima #3\relax
19730 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
19731 \fi}\nobreak
19732 \leaders\hbox{\$}\m@th
19733 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19734 mu$}\hfill
19735 \nobreak
19736 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19737 \par}%
19738 \fi}
19739
19740
19741 \def\RTL@outputdblcol{%
19742 \if@firstcolumn
19743 \global\@firstcolumnfalse

```



```

19744 \global\setbox\@leftcolumn\copy\@outputbox
19745 \splitmaxdepth\maxdimen
19746 \vbadness\maxdimen
19747 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19748 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19749 \toks@\expandafter{\topmark}%
19750 \xdef\@firstcoltopmark{\the\toks@}%
19751 \toks@\expandafter{\splitfirstmark}%
19752 \xdef\@firstcolfirstmark{\the\toks@}%
19753 \ifx\@firstcolfirstmark\@empty
19754 \global\let\@setmarks\relax
19755 \else
19756 \gdef\@setmarks{%
19757 \let\firstmark\@firstcolfirstmark
19758 \let\topmark\@firstcoltopmark}%
19759 \fi
19760 \else
19761 \global\@firstcolumntrue
19762 \setbox\@outputbox\vbox{%
19763 \hb@xt@\textwidth{%
19764 \hskip \columnwidth
19765 \hfil
19766 {\normalcolor\vrule \@width\columnseprule}%
19767 \hfil
19768 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
19769 \hskip -\textwidth
19770 \hb@xt@\columnwidth{\box\@outputbox \hss}%
19771 \hskip \columnsep
19772 \hskip \columnwidth }}%
19773 \@combinedblfloats
19774 \@setmarks
19775 \@outputpage
19776 \beginingroup
19777 \@dblfloatplacement
19778 \@startdblcolumn
19779 \@whilesw\if@colmade \fi{\@outputpage
19780 \@startdblcolumn}%
19781 \endgroup
19782 \fi}%
19783
19784 \def\LTR@outputdblcol{%
19785 \if@firstcolumn
19786 \global\@firstcolumnfalse
19787 \global\setbox\@leftcolumn\copy\@outputbox
19788 \splitmaxdepth\maxdimen
19789 \vbadness\maxdimen
19790 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19791 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19792 \toks@\expandafter{\topmark}%
19793 \xdef\@firstcoltopmark{\the\toks@}%

```



```

19794 \toks@\expandafter{\splitfirstmark}%
19795 \xdef\@firstcolfirstmark{\the\toks@}%
19796 \ifx\@firstcolfirstmark\@empty
19797 \global\let\@setmarks\relax
19798 \else
19799 \gdef\@setmarks{%
19800 \let\firstmark\@firstcolfirstmark
19801 \let\topmark\@firstcoltopmark}%
19802 \fi
19803 \else
19804 \global\@firstcolumntrue
19805 \setbox\@outputbox\vbox{%
19806 \hb@xt@\textwidth{%
19807 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
19808 \hfil
19809 {\normalcolor\vrule \@width\columnseprule}%
19810 \hfil
19811 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
19812 \@combinedblfloats
19813 \@setmarks
19814 \@outputpage
19815 \begingroup
19816 \@dblfloatplacement
19817 \@startdblcolumn
19818 \@whiles\if@fcolmade \fi{\@outputpage
19819 \@startdblcolumn}%
19820 \endgroup
19821 \fi}%
19822
19823
19824 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
19825 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
19826 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
19827 \def\LTRmarginpar{%
19828 \ifhmode
19829 \@bsphack
19830 \@floatpenalty -\@Mii
19831 \else
19832 \@floatpenalty -\@Miii
19833 \fi
19834 \ifinner
19835 \@parmoderr
19836 \@floatpenalty\z@
19837 \else
19838 \@next\@currbox\@freelist{}{}%
19839 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
19840 {\@floatpenalty\z@
19841 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
19842 \fi
19843 \@ifnextchar [\@LTRxmpar\@LTRympar}

```



```

19844 \long\def\@LTRxmpar[#1]#2{%
19845   \@LTRsavemarbox\@marbox{#1}%
19846   \@LTRsavemarbox\@currbox{#2}%
19847   \@xympar}
19848 \long\def\@LTRympar#1{%
19849   \@LTRsavemarbox\@marbox{#1}%
19850   \global\setbox\@currbox\copy\@marbox
19851   \@xympar}
19852 \long\def\@LTRsavemarbox #1#2{%
19853   \global\setbox #1%
19854     \color@vbox
19855     \vtop{%
19856       \hsize\marginparwidth
19857       \@parboxrestore
19858       \@LTRmarginparreset
19859       #2%
19860       \@minipagefalse
19861       \outer@nobreak
19862     }%
19863   \color@endbox
19864 }
19865 \def\@LTRmarginparreset{%
19866   \reset@font
19867   \normalsize
19868   \@minipagetrue
19869   \everypar{\@minipagefalse\everypar{}\beginL}%
19870 }
19871 \def\RTLmarginpar{%
19872   \ifhmode
19873     \@bsphack
19874     \@floatpenalty -\@Mii
19875   \else
19876     \@floatpenalty -\@Miii
19877   \fi
19878   \ifinner
19879     \@parmoderr
19880     \@floatpenalty\z@
19881   \else
19882     \@next\@currbox\@freelist{}\}%
19883     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
19884     {\@floatpenalty\z@
19885     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
19886   \fi
19887   \@ifnextchar [\@RTLxmpar\@RTLympar}
19888 \long\def\@RTLxmpar[#1]#2{%
19889   \@RTLSavemarbox\@marbox{#1}%
19890   \@RTLSavemarbox\@currbox{#2}%
19891   \@xympar}
19892 \long\def\@RTLympar#1{%
19893   \@RTLSavemarbox\@marbox{#1}%

```





```

19894 \global\setbox\@currbox\copy\@marbox
19895 \xympar}
19896 \long\def \@RTLsavemarbox #1#2{%
19897 \global\setbox #1%
19898 \color@vbox
19899 \vtop{%
19900 \hsize\marginparwidth
19901 \@parboxrestore
19902 \@RTLmarginparreset
19903 #2%
19904 \@minipagefalse
19905 \outer@nobreak
19906 }%
19907 \color@endbox
19908 }
19909 \def \@RTLmarginparreset {%
19910 \reset@font
19911 \normalsize
19912 \@minipagetrue
19913 \everypar{\@minipagefalse\everypar{}\beginR}%
19914 }
19915 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
19916 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
19917 \if@twocolumn
19918 \if@firstcolumn \@tempcnta\m@ne \fi
19919 \else
19920 \if@mparswitch
19921 \ifodd\c@page \else\@tempcnta\m@ne \fi
19922 \fi
19923 \if@reversemargin \@tempcnta -\@tempcnta \fi
19924 \fi
19925 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
19926 \@tempdima\@mparbottom
19927 \advance\@tempdima -\@pageht
19928 \advance\@tempdima\ht\@marbox
19929 \ifdim\@tempdima >\z@
19930 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
19931 \else
19932 \@tempdima\z@
19933 \fi
19934 \global\@mparbottom\@pageht
19935 \global\advance\@mparbottom\@tempdima
19936 \global\advance\@mparbottom\dp\@marbox
19937 \global\advance\@mparbottom\marginparpush
19938 \advance\@tempdima -\ht\@marbox
19939 \global\setbox \@marbox
19940 \vbox {\vskip \@tempdima
19941 \box \@marbox}%
19942 \global \ht\@marbox \z@
19943 \global \dp\@marbox \z@

```



```

19944 \kern -\@pagedp
19945 \nointerlineskip
19946 \hb@xt@\columnwidth
19947 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
19948 \hskip\columnwidth \hskip\marginparsep
19949 \else
19950 \hskip -\marginparsep \hskip -\marginparwidth
19951 \fi
19952 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
19953 \nointerlineskip
19954 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
19955 \long\def\@ympar#1{%
19956 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
19957 \global\setbox\@currbox\copy\@marbox
19958 \@xympar}
19959 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
19960 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
19961 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
19962 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
19963 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
19964 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
19965 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
19966 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
19967 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
19968 \fi}
19969 \def\@outputpage{%
19970 \begingroup % the \endgroup is put in by \aftergroup
19971 \let \protect \noexpand
19972 \@resetactivechars
19973 \global\let\@if@newlist\if@newlist
19974 \global\@newlistfalse
19975 \@parboxrestore
19976 \shipout \vbox{%
19977 \set@typeset@protect
19978 \aftergroup \endgroup
19979 \aftergroup \set@typeset@protect
19980 % correct? or just restore by ending
19981 % the group?
19982 \if@specialpage
19983 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
19984 \fi
19985 \if@twoside
19986 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
19987 \if@RTLmain
19988 \let\@themargin\evensidemargin
19989 \else
19990 \let\@themargin\oddsidemargin
19991 \fi
19992 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
19993 \if@RTLmain

```



```

19994         \let\@themargin\oddsidemargin
19995     \else
19996         \let\@themargin\evensidemargin
19997     \fi
19998 \fi
19999 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20000 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20001 \else %% not @twoside
20002 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
20003 \ifx\@oddfoot\@empty \let\@thehead\hfil \fi
20004 \fi
20005 \reset@font
20006 \normalsize
20007 \normalsfcodes
20008 \let\label\@gobble
20009 \let\index\@gobble
20010 \let\glossary\@gobble
20011 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
20012 \@beginindvi
20013 \vskip \topmargin
20014 \moveright\@themargin \vbox {%
20015     \setbox\@tempboxa \vbox to\headheight{%
20016         \vfil
20017         \color@hbox
20018         \normalcolor
20019         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
20020         \color@endbox
20021     }%
20022     \dp\@tempboxa \z@
20023     \box\@tempboxa
20024     \vskip \headsep
20025     \box\@outputbox
20026     \baselineskip \footskip
20027     \color@hbox
20028     \normalcolor
20029     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
20030     \color@endbox
20031 }%
20032 }%
20033 \global\let\if@newlist\@if@newlist
20034 \global \colht \textheight
20035 \stepcounter{page}%
20036 \let\firstmark\botmark
20037 }
20038 \long\def\@makecaption#1#2{%
20039     \vskip\abovecaptionskip
20040     \sbox\@tempboxa{#1: #2}%
20041     \ifdim \wd\@tempboxa >\hsize
20042         \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
20043     \else

```



```

20044 \global \@minipagefalse
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## 7.122 xltextra-xetex-bidi.def

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20201 \let\@@XeLaTeX\XeLaTeX
20202 \def\XeLaTeX{\@ensure@LTR{\@@XeLaTeX}}

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v13.9	General: Added implementaion of the package. . . . .	o	toc, lot, lof, etc with multicol package. . . . .	307	
v14.2	General: Fixed the wrong order of		v14.3	General: Removed \leavevmode to avoid extra \par. . . . .	140

