

# The bidi package

<http://bitbucket.org/vafa/bidi>

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February 13, 2011 VI.1.6

## I Dedication

*We dedicate the bidi package to our father, Cyrus The Great. Cyrus the Great* (c. 600 BC or 576 BC – December 530 BC), also known as **Cyrus II** or **Cyrus of Persia**, was the first Zoroastrian Persian emperor. He was the founder of the Persian Empire under the Achaemenid dynasty.

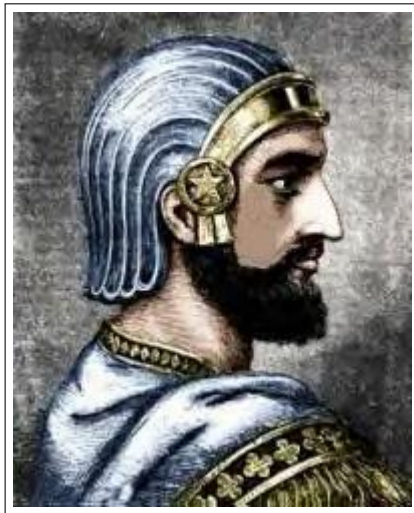


Figure 1: Portrait of Cyrus The Great

As a military leader, Cyrus left a legacy on the art of leadership and decision making, and he attributed his success to “Diversity in counsel, unity in command.” Cyrus the Great respected the customs and religions of the lands he conquered. It is said that in universal history, the role of the Achaemenid empire founded by Cyrus lies in its very successful model

It was under his own rule that the empire embraced all previous civilized states of the ancient Near East, expanded vastly and eventually conquered most of Southwest Asia and much of Central Asia, from Egypt and the Hellespont in the west to the Indus River in the east, to create the largest empire the world had yet seen.

The reign of Cyrus lasted 29 to 31 years. Cyrus built his empire by fighting and conquering first the Median Empire, then the Lydian Empire and the Neo-Babylonian Empire. Either before or after Babylon, he led an expedition into central Asia, which resulted in major campaigns that brought “into subjection every nation without exception.” Cyrus did not venture into Egypt, as he himself died in battle, fighting the Massagetae along the Syr Darya in December 530 BC. He was succeeded by his son, Cambyses II, who managed to add to the empire by conquering Egypt, Nubia, and Cyrenaica during his short rule.

for centralized administration and establishing a government working to the advantage and profit of its subjects. In fact, the administration of the empire through satraps and the vital principle of forming a government at Pasargadae were the work of Cyrus. Aside from his own nation, Iran, Cyrus also left a lasting legacy on Jewish religion (through his Edict of Restoration), human rights, politics, and military strategy, as well as on both Eastern and Western civilizations.

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## 2 Introduction

`bidi` provides a convenient interface for typesetting bidirectional texts in plain  $\TeX$  and  $\LaTeX$ .

The `bidi` package at the moment only works with  $\XeTeX$  engine, but we will support other  $\TeX$  engines as well in the future.

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

If you use `bidi` package to write any input  $\TeX$  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 (Support for bidirectional typesetting in plain TeX and
LaTeX)
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) 2009-2011 Vafa Khalighi
v1.1.6, <commit 145>, 2011/03/21
License: LaTeX Project Public License, version 1.3c or higher (your
choice)
Home: http://bitbucket.org/vafa/bidi
Location on CTAN: /macros/latex/contrib/bidi
```

## 3 Basics

### 3.1 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 3.3](#).

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:

```
\documentclass{minimal}
\usepackage{bidi}
\usepackage{graphicx}
\begin{document}
This is just a test.
\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}

?
```

### 3.2 Commands for Version number, Mercurial commit number and Date of The Package

```
\bidiversion \bidiccommit \bididate
```

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

☞ `\bidiccommit` gives the current Mercurial commit number of the package.

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

```

\documentclass{article}
\usepackage{bidi}
\begin{document}
This is typeset by \textsf{bidi} package, \bidiversion, \bidiccommit, \
bididate.
\end{document}
```

### 3.3 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 3.4](#)), `\RTLdblcol` (explained in [subsection 3.8](#)) and `\autofootnoterule` (explained in [subsection 3.7.1](#)).

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:

**New Option** →

```

\normalfootnotes
\twocolumnfootnotes \threecolumnfootnotes \fourcolumnfootnotes
\fivecolumnfootnotes \sixcolumnfootnotes \sevencolumnfootnotes
\eightcolumnfootnotes \ninecolumnfootnotes \tencolumnfootnotes
\RTLcolumnfootnotes \LTRcolumnfootnotes
\paragraphfootnotes

```

- ☞ `\normalfootnotes` typesets footnotes in Standard L<sup>A</sup>T<sub>E</sub>X 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.
- ☞ When using `extrafootnotefeatures`, `\textwidthfootnoterule` is active.

### 3.4 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.

```

\documentclass{article}
\usepackage{fontspec}
\newfontfamily\Parsifont[Script=Arabic]{Yas}
\usepackage{bidi}
\begin{document}
\setRTL%

```

Anyone who reads Old and Middle English literary texts will be familiar with the mid-brown volumes of the EETS, with the symbol of Alfred's jewel embossed on the front cover.

```

\setLTR% Notice the blank line before \setLTR

```

Anyone who reads Old and Middle English literary texts will be familiar with the mid-brown volumes of the EETS, with the symbol of Alfred's jewel embossed on the front cover.

```

\end{document}

```

### 3.5 Paragraph Switching Environments

<pre>\begin{LTR} &lt;text&gt; \end{LTR} \begin{RTL} &lt;text&gt; \end{RTL}</pre>
--

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```
\documentclass{article}
\usepackage{bidi}
\begin{document}
\begin{RTL}
Anyone who reads Old and Middle English literary texts will be familiar
with the mid-brown volumes of the EETS, with the symbol
of Alfred's jewel embossed on the front cover.
\begin{LTR}
Anyone who reads Old and Middle English literary texts will be familiar
with the mid-brown volumes of the EETS, with the symbol
of Alfred's jewel embossed on the front cover.
\end{LTR}
And we are still typesetting RTL.
\end{RTL}
\end{document}
```

### 3.6 Typesetting Short LTR and RTL Texts

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

☞ 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.

```
\begin{document}
\begin{RTL}
Anyone who reads Old and Middle English \LRE{Short LTR text} literary
texts will be familiar
with the mid-brown volumes of the EETS, with the symbol
of Alfred's jewel embossed on the front cover.
\begin{LTR}
Anyone who reads Old and Middle English \RLE{Short RTL text} literary
texts will be familiar
with the mid-brown volumes of the EETS, with the symbol
of Alfred's jewel embossed on the front cover.
```

```
\end{LTR}  
\end{RTL}  
\end{document}
```

### 3.7 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.



### 3.7.1 Footnote Rule

The behavior of footnote rules can also be controlled.

```
\autofooterule \rightfootnoterule \leftfootnoterule  
\LRfootnoterule \textwidthfootnoterule
```

- ☞ `\autofooterule` 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`.

### 3.8 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.

### 3.9 RTL cases

```
\rcases{\text{\brack1}\cr\text{\brack2}\cr\text{\brack3}...}  
\text{\main}
```

`\rcases` 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.

```
\documentclass{article}  
\usepackage{amsmath}  
\usepackage{bidi}  
\begin{document}  
\setRTL  
\[  
\rcases{\text{men}\cr\text{women}}  
\text{Humans Beings}  
\]  
\end{document}
```

### 3.10 Typesetting Logos

```
\XeTeX \XeLaTeX
```

bidi defines XeTeX and XeLaTeX logos and in addition, it makes sure that logos, TeX, LaTeX, LaTeX<sub>2 $\epsilon$</sub>  are typeset LTR.

### 3.11 Separation Mark

```
\SepMark{<mark>} \@SepMark
```

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

```
\documentclass{article}
\usepackage{bidi}
\SepMark{-}
\begin{document}
\section{First}
\subsection{Second}
\subsubsection{Third}
\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.

```
\documentclass{article}
\usepackage{bidi}
\SepMark{-}
\makeatletter
\renewcommand\theequation{\thesection\@SepMark\@arabic\c@equation}
\makeatother
\begin{document}
\section{First}
\begin{equation}
x^2+y^2=z^2
\end{equation}
\end{document}
```

### 3.12 \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.

### 3.13 Primitive-like commands

<code>\hboxR</code> <code>\hboxL</code> <code>\vboxR</code> <code>\vboxL</code>
---

- ☞ 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.

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

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

```
\documentclass{article}
\usepackage{bidi}
\setRTL
\begin{document}
\hbox{This is a Test}
\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`:

```
\documentclass{article}
\usepackage{bidi}
\setRTL
\begin{document}
\leavevmode\hbox{This is a Test}
\end{document}
```

### 3.15 `\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.

### 3.16 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:

```
\documentclass{article}
\begin{document}
Anyone who reads Old and Middle English literary texts will be familiar
with the mid-brown volumes of the EETS, with the symbol of Alfred's
\begin{enumerate}
\item Anyone who reads Old and Middle English literary texts will be
familiar with the mid-brown volumes of the EETS, with the symbol of
Alfred's
\item Anyone who reads Old and Middle English literary texts will be
familiar with the mid-brown volumes of the EETS, with the symbol of
Alfred's
\end{enumerate}
\end{document}
```

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

```
\documentclass{article}
\usepackage{bidi}
\begin{document}
Anyone who reads Old and Middle English literary texts will be familiar
with the mid-brown volumes of the EETS, with the symbol of Alfred's
\begin{enumerate}
\item Anyone who reads Old and Middle English literary texts will be
familiar with the mid-brown volumes of the EETS, with the symbol of
Alfred's
\setRTL
\item Anyone who reads Old and Middle English literary texts will be
familiar with the mid-brown volumes of the EETS, with the symbol of
Alfred's
\end{enumerate}
\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} [length]
\item <text>
...
\end{RTLitems}
```

Where [length] is optional and if you do not give it, the value of \rightskip will be equal to the value of \labelwidth+\labelsep by default and if you give this optional length, then the value of \rightskip will be equal to the value of \labelwidth+given length. Thus by using the RTLitems environment, the previous example will look like the following:

```

\documentclass{article}
\usepackage{bidi}
\begin{document}
Anyone who reads Old and Middle English literary texts will be familiar
with the mid-brown volumes of the EETS, with the symbol of Alfred's
\begin{enumerate}
\item Anyone who reads Old and Middle English literary texts will be
familiar with the mid-brown volumes of the EETS, with the symbol of
Alfred's
\begin{RTLitems}
\item Anyone who reads Old and Middle English literary texts will be
familiar with the mid-brown volumes of the EETS, with the symbol of
Alfred's
\end{RTLitems}
\end{enumerate}
\end{document}

```

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

```

\begin{LTRitems} [length]
  \item <text>
  ...
\end{LTRitems}

```

Where `[length]` is optional and if you do not give it, the value of `\leftskip` will be equal to the value of `\labelwidth+\labelsep` by default and if you give this optional length, then the value of `\leftskip` will be equal to the value of `\labelwidth+given length`.

### 3.17 `\setLTRbibitems`, `\setRTLbibitems`, and `\setdefaultbibitems` commands

```

\setLTRbibitems \setRTLbibitems \setdefaultbibitems

```

- ☞ 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 `\bibitem`s. The first `\bibitem` is LTR and the second `\bibitem` is RTL. One could typeset this scenario as shown below:

```

\documentclass{article}
\usepackage{bidi}
\begin{document}
\begin{thebibliography}{99}
\bibitem This is the first bibitem which is LTR.
\begin{RTLitems}
\bibitem This is the second bibitem which is RTL.
\end{RTLitems}
\end{thebibliography}
\end{document}

```

### 3.18 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 three following commands are provided:

```
\setRTLmarginpar \setLTRmarginpar \setdefaultmarginpar
```

- ☞ `\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.

### 3.19 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.

### 3.20 Tabular Typesetting

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

### 3.21 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.

## 4 Support For Various Packages and Classes

The `bidi` package supports `amsmath`, `amsthm`, `array`, `arydshln`, `breqn`, `caption`, `color`, `colortbl`, `dblfnote`, `draftwatermark`, `empheq`, `fancyhdr`, `float`, `flowfram`, `framed`, `graphicx`, `hyperref`, `listings`, `minitoc`, `multicol`, `pdfpages`, `pstricks`, `quotchap`, `ragged2e`, `stabular`, `subfig`, `subfigure`, `supertabular`, `xtab`, `tabls`, `tabulary`, `PGF & TIKZ`, `tocbibind`, `tocloft`, `tocstyle`, `wrapfig`, `xcolor`, `xltxtra` packages, `amsart`, `amsbook`, `artikel1`, `artikel2`, `artikel3`, `extarticle`, `standrad` article, `boek`, `boek3`, `standard` book, `bookest`, `extbook`, `extletter`, `scrlettr`, `standard` letter, `memoir`, `extreport`, `rapport1`, `rapport3`, `refrep`, `standard` report, `scartcl`, `scrbook`, `screprt` 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.

### 4.1 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 `xecolour` 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.

### 4.2 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.

### 4.3 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.

### 4.4 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.

In addition, you also can use `vwcol` package for variable width bidirectional column typesetting.

## 5 Extra bidi Packages and Classes

### 5.1 The Issue of Footnote

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.

### 5.2 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\poemcolsepkip{\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*}
```

### 5.3 Typesetting Resumé

The `bidi` package provides `bidimoderncv`<sup>1</sup> class for typesetting resumé. There are two examples, namely `test-casualcv.tex` and `test-classiccv.tex`, in the `doc` folder than you can look and learn how you can use it.

<sup>1</sup>This class is the modified version of `moderncv` class.



## 5.4 Print Two Pages On A Single Page

bidipresentation 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.

## 5.5 Producing Presentations

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

### 5.5.1 bidipresentation Class

bidipresentation is a simple class for presentations to be shown on screen or beamer. It is derived from L<sup>A</sup>T<sub>E</sub>X's article class. The "virtual paper size" of documents produced by this class: width=128mm, height=96mm. bidipresentation requires that the fancyhdr and geometry packages are available on the system. Enhancements to the bidipresentation class are easily made available by other packages, these include slides with a background from a bitmap (eso-pic package).

**Usage:** The class is used with

```
\documentclass [Options] {bidipresentation}
```

Options of the article class are also available to bidipresentation, e. g. 10pt, 11pt, 12pt for selection of font size. However, not all options of the article class will be appropriate for a presentation class, e. g. twocolumn.

A simple example document:

```
\documentclass[12pt]{bidipresentation}
\usepackage{eso-pic}
\usepackage[RTLdocument]{bidi}
\pagestyle{pres}
\AddToShipoutPicture{
\includegraphics{gradient2.png}
}
\begin{document}
\begin{titlepage}
\centering
\distance{1}
{
\Huge \bfseries Title of the presentation \par
}
\vspace{1.3ex} \large
Author\ \ [2ex]Institution
\distance{2}
\end{titlepage}
\begin{plainslide}[Title of Page]
The first page
\end{plainslide}
\begin{rawslide}
```

```
The second page
  \end{rawslide}
\end{document}
```

The title page can be created within the `titlepage` environment, the `\maketitle` command is not available. Slides may be created with the `plainslide` environment, you may add the title of the slide with the optional parameter. The contents of the slide are centered vertically. Another environment generating a slide is `rawslide`: slides are written without title, contents are not vertically centered.

The `\distance{<number>}` command allows to introduce vertical space into slides constructed with the `rawslide` and `titlepage` environments. You should use pairs of `\distance{}` commands with numbers indicating the relative height of empty space, see the titlepage in the example above.

Pictures can be included with the `\includegraphics` command of the `graphicx` package. Please be aware that the dimensions of the pages are 128mm × 96mm and therefore included graphics are scaled appropriately.

### Enhancements to `bidipresentation`:

**Fill background of a presentation with bitmaps:** `eso-pic` package allows you to paint the background with a picture:

```
\usepackage{eso-pic}
...
\AddToShipoutPicture{
\includegraphics{gradient2.png}
}
```

`\AddToShipoutPicture{}` puts the picture on every page, `\AddToShipoutPicture*{}` puts it on to the current page, `\ClearShipoutPicture` clears the background beginning with the current page. Details of `eso-pic`'s commands can be found in its own documentation.

## 6 Some Useful Internal Macros

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

### 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 Latin Conditional

```
\if@Latin
```

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

## 6.4 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.

## 6.5 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 `wrappfig-bidi.def`. Please note that in the argument `<definition file name>`, the extension `def` should not be given.

## 6.6 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.

## 6.7 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.

## 6.8 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.

## 6.9 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}[2010/07/25 v0.5 bidi adaptations for amsart class for XeTeX eng  
2 \def\@tocline#1#2#3#4#5#6#7{\relax  
3 \ifnum #1>\c@tocdepth % then omit  
4 \else  
5 \par \addpenalty\@secpenalty\advvspace{#2}%  
6 \begingroup \hyphenpenalty\@M  
7 \@ifempty{#4}{-%  
8 \@tempdima\c@tocindent\@number#1\endcsname\relax  
9 }{-%  
10 \@tempdima#4\relax  
11 }%  
12 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftsk
```

```

13 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@\{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnote{%
27 \hbox to \columnwidth
28 {\beginR \vbox{\kern-.4\p@
29 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
30 \def\left@footnote{\kern-.4\p@
31 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32 \long\def\@footnotetext#1{%
33 \begingroup
34 \setbox\footins
35 \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi\reset@font\footnotesize
36 \interlinepenalty\interfootnotelinepenalty
37 \splittopskip\footnotesep
38 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
39 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
40 \bidi@footnotetext@dir{#1}%
41 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
42 {\rule{\z@}{\footnotesep}\ignorespaces#1\unskip\strut\par}}%
43 \bidi@footnotetext@after
44 \insert\footins{\unvbox\footins}%
45 \endgroup}
46 \long\def\@RTLfootnotetext#1{%
47 \begingroup
48 \setbox\footins
49 \vbox{\@RTLtrue\reset@font\footnotesize
50 \interlinepenalty\interfootnotelinepenalty
51 \splittopskip\footnotesep
52 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
53 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
54 \bidi@footnotetext@dir{#1}%
55 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
56 {\rule{\z@}{\footnotesep}\ignorespaces #1\unskip\strut\par}}%
57 \bidi@footnotetext@after
58 \insert\footins{\unvbox\footins}%
59 \endgroup}
60 \long\def\@LTRfootnotetext#1{%
61 \begingroup
62 \setbox\footins

```

```

63 \vbox{\@RTLfalse\reset@font\footnotesize
64 \interlinepenalty\interfootnotelinepenalty
65 \splittopskip\footnotesep
66 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
67 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
68 \bidi@footnotetext@dir{#1}%
69 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
70 {\rule{\z@}{\footnotesep}\ignorespaces #1\unskip\strut\par}}%
71 \bidi@footnotetext@after
72 \insert\footins{\unvbox\footins}%
73 \endgroup}
74 \renewenvironment{thebibliography}[1]{%
75 \@bibtitlestyle
76 \normalfont\bibliofont\labelsep .5em\relax
77 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
78 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
79 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
80 \leftmargin\labelwidth \advance\leftmargin\labelsep
81 \usecounter{enumiv}}%
82 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
83 \sfcode`.=\@m
84 }{%
85 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
86 \endlist
87 }

```

## 7.2 amsbook-xetex-bidi.def

```

1 \ProvidesFile{amsbook-xetex-bidi.def}[2010/07/25 v0.7 bidi adaptations for amsbook 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\rightright\else\leftskip\fi#3\relax \advance\if@RTL\rightright\else\leftskip
13 \if@RTL\leftskip\else\rightright\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\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
24 \columnseprule\z@ \columnsep 35\p@
25 \@indextitlestyle
26 \thispagestyle{plain}%
27 \let\item\@idxitem
28 \parindent\z@ \parskip\z@\@plus.3\p@\relax
29 \if@RTL\raggedleft\else\raggedright\fi
30 \hyphenpenalty\@M
31 \footnotesize}
32 \def\right@footnote{%
33 \hbox to \columnwidth
34 {\beginR \vbox{\kern-.4\p@
35 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
36 \def\left@footnote{\kern-.4\p@
37 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
38 \long\def\@footnotetext#1{%
39 \begingroup
40 \setbox\footins
41 \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi\reset@font\footnotesize
42 \interlinepenalty\interfootnotelinepenalty
43 \splittopskip\footnotesep
44 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
45 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
46 \bidi@footnotetext@dir{#1}}%
47 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
48 {\rule{\z@}{\footnotesep}\ignorespaces#1\unskip\strut\par}}%
49 \bidi@footnotetext@after
50 \insert\footins{\unvbox\footins}}%
51 \endgroup}
52 \long\def\@RTLfootnotetext#1{%
53 \begingroup
54 \setbox\footins
55 \vbox{\@RTLtrue\reset@font\footnotesize
56 \interlinepenalty\interfootnotelinepenalty
57 \splittopskip\footnotesep
58 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
59 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
60 \bidi@footnotetext@dir{#1}}%
61 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
62 {\rule{\z@}{\footnotesep}\ignorespaces #1\unskip\strut\par}}%
63 \bidi@footnotetext@after
64 \insert\footins{\unvbox\footins}}%
65 \endgroup}
66 \long\def\@LTRfootnotetext#1{%
67 \begingroup
68 \setbox\footins
69 \vbox{\@RTLfalse\reset@font\footnotesize
70 \interlinepenalty\interfootnotelinepenalty
71 \splittopskip\footnotesep
72 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM

```

```

73 \hsize\columnwidth \@parboxrestore \parindent\normalparindent \sloppy
74 \bidi@footnotetext@dir{#1}%
75 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
76 {\rule{\z@}{\footnotesep}\ignorespaces #1\unskip\strut\par}}%
77 \bidi@footnotetext@after
78 \insert\footins{\unvbox\footins}%
79 \endgroup}
80 \renewenvironment{thebibliography}[1]{%
81 \@bibtitlestyle
82 \normalfont\bibliofont\labelsep .5em\relax
83 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
84 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
85 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
86 \leftmargin\labelwidth \advance\leftmargin\labelsep
87 \usecounter{enumiv}}%
88 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
89 \sfcode`\.=\@m
90 }{%
91 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
92 \endlist
93 }
94 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
95 \begingroup
96 \fontsize{\@xivpt}{18}\bfseries\centering
97 \ifnum\c@secnumdepth>\m@ne
98 \leavevmode \hskip-\ifRTL\rightskip\else\leftskip\fi
99 \rlap{\vbox to\z@{\vss
100 \centerline{\normalsize\mdseries
101 \uppercase\exp{\chaptername}\enspace\thechapter}
102 \vskip 3pc}}\hskip\ifRTL\rightskip\else\leftskip\fi\fi
103 #1\par \endgroup
104 \skip@34\p@ \advance\skip@-\normalbaselineskip
105 \vskip\skip@ }

```

### 7.3 amsmath-xetex-bidi.def

```

1 \ProvidesFile{amsmath-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for amsmath package for XeTeX]
2 \renewcommand\numberwithin[3][\arabic]{%
3 \@ifundefined{c@#2}{\@nocounterr{#2}}{%
4 \@ifundefined{c@#3}{\@nocnterr{#3}}{%
5 \addtoreset{#2}{#3}%
6 \exp\xdef\csname the#2\endcsname{%
7 \exp\@nx\csname the#3\endcsname \@SepMark\@nx#1{#2}}}%
8 }
9 \def\tagform@#1{\maketag@@{\ifRTL\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\ifRTL\endR\fi}}
10 \renewcommand\eqref[1]{\beginL\textup{\tagform@\ref{#1}}\endL}
11 \let\@@text=\text
12 \def\text#1{\@@text{\ifRTL\beginR\fi#1\ifRTL\endR\fi}}
13 \DeclareRobustCommand{\[}{\begin{equation*}}
14 \DeclareRobustCommand{\]}{\end{equation*}}

```



## 7.4 amsthm-xetex-bidi.def

```
1 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeTeX e
2 \def\@thmcountersep{\@SepMark}
```

## 7.5 array-xetex-bidi.def

```
1 \ProvidesFile{array-xetex-bidi.def}[2010/08/01 v0.2b bidi adaptations for array package for XeTeX e
2 \def\@testpach{\@chclass
3 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
4 \ifnum \@lastchclass=7 5 \else
5 \ifnum \@lastchclass=8 \tw@ \else
6 \ifnum \@lastchclass=9 \thr@@
7 \else \z@
8 \ifnum \@lastchclass = 10 \else
9 \edef\@nextchar{\expandafter\string\@nextchar}%
10 \@chnum
11 \if \@nextchar c\z@ \else
12 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
13 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
14 \z@ \@chclass
15 \if \@nextchar |\@ne \else
16 \if \@nextchar !6 \else
17 \if \@nextchar @7 \else
18 \if \@nextchar <8 \else
19 \if \@nextchar >9 \else
20 10
21 \@chnum
22 \if \@nextchar m\thr@@\else
23 \if \@nextchar p4 \else
24 \if \@nextchar b5 \else
25 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
26 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
27 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
28 \leavevmode
29 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
30 \let\d@llarend\endR
31 \@tabarray}
32 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
33 \expandafter\let\csname endtabular*\endcsname=\endtabular
34 \def\@array[#1]#2{%
35 \@tempdima \ht \strutbox
36 \advance \@tempdima by\extrarowheight
37 \setbox \@arstrutbox \hbox{\vrule
38 \@height \arraystretch \@tempdima
39 \@depth \arraystretch \dp \strutbox
40 \@width \z@}%
41 \beginR
42 \mkpream{#2}%
43 \xdef\@preamble{\noexpand \ialign \@halignto
44 \bgroup \@arstrut \@preamble
```

```

45             \tabskip \z@ \cr}%
46 \endgroup
47 \@arrayleft
48 \if #1\vtop \else \if#1b\vbox \else \vcenter \fi \fi
49 \bgroup
50 \let \@sharp ##\let \protect \relax
51 \lineskip \z@
52 \baselineskip \z@
53 \m@th
54 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
55 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
56 \def\endarray{\crr \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble{

```

## 7.6 article-xetex-bidi.def

```

1 \ProvidesFile{article-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for standard article class f
2 \if@titlepage
3 \renewcommand\maketitle{\begin{titlepage}%
4 \let\footnotesize\small
5 \let\right@footnote\relax
6 \let\left@footnote\relax
7 \let\textwidth@footnote\relax
8 \let \footnote \thanks
9 \let \LTRfootnote \LTRthanks
10 \let \RTLfootnote \RTLthanks
11 \null\vfil
12 \vskip 60\p@
13 \begin{center}%
14 {\LARGE \@title \par}%
15 \vskip 3em%
16 {\large
17 \lineskip .75em%
18 \begin{tabular}[t]{c}%
19 \@author
20 \end{tabular}\par}%
21 \vskip 1.5em%
22 {\large \@date \par}% % Set date in \large size.
23 \end{center}\par
24 \@thanks
25 \vfil\null
26 \end{titlepage}%
27 \setcounter{footnote}{0}%
28 \global\let\thanks\relax
29 \global\let\LTRthanks\relax
30 \global\let\RTLthanks\relax
31 \global\let\maketitle\relax
32 \global\let\@thanks\@empty
33 \global\let\@author\@empty
34 \global\let\@date\@empty
35 \global\let\@title\@empty

```

```

36 \global\let\title\relax
37 \global\let\author\relax
38 \global\let\date\relax
39 \global\let\and\relax
40 }
41 \else
42 \renewcommand\maketitle{\par
43 \begingroup
44 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
45 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
46 \long\def\@makefntext##1{\parindent 1em\noindent
47 \hb@xt@1.8em{%
48 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
49 \if@twocolumn
50 \ifnum \col@number=\@ne
51 \maketitle
52 \else
53 \twocolumn[\maketitle]%
54 \fi
55 \else
56 \newpage
57 \global\@topnum\z@ % Prevents figures from going at top of page.
58 \maketitle
59 \fi
60 \thispagestyle{plain}\@thanks
61 \endgroup
62 \setcounter{footnote}{0}%
63 \global\let\thanks\relax
64 \global\let\LTRthanks\relax
65 \global\let\RTLthanks\relax
66 \global\let\maketitle\relax
67 \global\let\@maketitle\relax
68 \global\let\@thanks\@empty
69 \global\let\@author\@empty
70 \global\let\@date\@empty
71 \global\let\@title\@empty
72 \global\let\title\relax
73 \global\let\author\relax
74 \global\let\date\relax
75 \global\let\and\relax
76 }
77 \def\@maketitle{%
78 \newpage
79 \null
80 \vskip 2em%
81 \begin{center}%
82 \let \footnote \thanks
83 \let \LTRfootnote \LTRthanks
84 \let \RTLfootnote \RTLthanks
85 {\LARGE \@title \par}%

```

```

86 \vskip 1.5em%
87 {\large
88 \lineskip .5em%
89 \begin{tabular}[t]{c}%
90 \author
91 \end{tabular}\par}%
92 \vskip 1em%
93 {\large \@date}%
94 \end{center}%
95 \par
96 \vskip 1.5em}
97 \fi
98 \renewcommand*\l@part[2]{%
99 \ifnum \c@tocdepth >-2\relax
100 \addpenalty\@secpenalty
101 \addvspace{2.25em \@plus\p@}%
102 \setlength\@tempdima{3em}%
103 \begingroup
104 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
105 \parfillskip -\@pnumwidth
106 {\leavevmode
107 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
108 \nobreak
109 \if@compatibility
110 \global\@nobreaktrue
111 \everypar{\global\@nobreakfalse\everypar{}}%
112 \fi
113 \endgroup
114 \fi}
115 \renewcommand*\l@section[2]{%
116 \ifnum \c@tocdepth >\z@
117 \addpenalty\@secpenalty
118 \addvspace{1.0em \@plus\p@}%
119 \setlength\@tempdima{1.5em}%
120 \begingroup
121 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
122 \parfillskip -\@pnumwidth
123 \leavevmode \bfseries
124 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
125 \hskip -\if@RTL\rightskip\else\leftskip\fi
126 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
127 \endgroup
128 \fi}
129 \renewcommand\left@footnote{%
130 \kern-3\p@
131 \hrule\@width.4\columnwidth
132 \kern2.6\p@}
133 \renewcommand\right@footnote{%
134 \hbox to \columnwidth
135 {\beginR \vbox{%

```

```

136 \kern-3\p@
137 \hrule\@width.4\columnwidth
138 \kern2.6\p@\hfil\endR}}
139 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
140 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
141 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
142 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
143 \def\@part[#1]#2{%
144 \ifnum \c@secnumdepth >\m@ne
145 \refstepcounter{part}%
146 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
147 \else
148 \addcontentsline{toc}{part}{#1}%
149 \fi
150 {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi
151 \interlinepenalty \@M
152 \normalfont
153 \ifnum \c@secnumdepth >\m@ne
154 \Large\bfseries \partname\nobreakspace\thepart
155 \par\nobreak
156 \fi
157 \huge \bfseries #2%
158 \markboth{}{\par}%
159 \nobreak
160 \vskip 3ex
161 \@afterheading}
162 \renewenvironment{thebibliography}[1]
163 {\section*{\refname}%
164 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
165 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
166 \list{\@biblabel{\@arabic\c@enumiv}}%
167 {\settowidth\labelwidth{\@biblabel{#1}}%
168 \leftmargin\labelwidth
169 \advance\leftmargin\labelsep
170 \@openbib@code
171 \usecounter{enumiv}%
172 \let\p@enumiv\@empty
173 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
174 \sloppy
175 \clubpenalty4000
176 \@clubpenalty \clubpenalty
177 \widowpenalty4000%
178 \sfcode`\.\@m}
179 {\def\@noitemerr
180 {\@latex@warning{Empty `thebibliography' environment}}%
181 \endlist}

```

## 7.7 artikel1-xetex-bidi.def

1 \ProvidesFile{artikel1-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for artikel1 class for XeTeX]

```

2 \renewcommand*\head@style{%
3   \interlinepenalty \@M
4   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6 \if@titlepage
7   \renewenvironment{abstract}{%
8     \titlepage
9     \null\vfil
10    \section*\SectFont\abstractname}
11    \noindent\ignorespaces}
12    {\par\vfil\null\endtitlepage}
13 \else
14   \renewenvironment{abstract}{%
15     \if@twocolumn
16       \section*\abstractname}%
17     \else
18       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
19       \section*\small\SectFont\abstractname}%
20       \noindent\ignorespaces
21       \fi}
22   {\if@twocolumn\else\par\egroup\fi}
23 \fi
24 \renewcommand*\@regtocoline[3]{%
25   \ifnum #1>\c@tocdepth
26   \else
27     \vskip\z@\@plus.2\p@
28     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
29     \if@RTL\rightskip\else\leftskip\fi\unitindent
30     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
31     \parfillskip\z@
32     \@tempdima\unitindent
33     \parindent\z@
34     \leavevmode
35     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
36     \hskip 1em \nobreak{\slshape #3}\par
37     }%
38   \fi}
39 \if@oldtoc
40 \renewcommand*\l@part[2]{%
41   \ifnum \c@tocdepth >-2\relax
42     \addpenalty\@secpenalty
43     \addvspace{2.25em \@plus\p@}%
44     \begingroup
45       \setlength\@tempdima{3em}%
46       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
47       \parfillskip -\@pnumwidth
48       {\leavevmode
49         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
50         \nobreak
51         \if@compatibility

```

```

52     \global\@nobeaktrue
53     \everypar{\global\@nobeakfalse\everypar{}}%
54     \fi
55     \endgroup
56 \fi}
57 \else
58   \renewcommand*\l@part{%
59     \ifnum \c@tocdepth >-2\relax
60     \addpenalty\@secpenalty
61     \advspace{2.25em \@plus \p@}%
62     \@regtocline{0}%
63   \fi}
64 \fi
65 \if@oldtoc
66 \renewcommand*\l@section[2]{%
67   \addpenalty\@secpenalty
68   \advspace{1.0em \@plus \p@}%
69   \setlength\@tempdima{1.5em}%
70   \begingroup
71   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
72   \parfillskip -\@pnumwidth
73   \leavevmode \bfseries
74   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
75   \hskip -\if@RTL\rightskip\else\leftskip\fi
76   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
77   \endgroup}
78 \else
79   \renewcommand*\l@section{\@regtocline{1}}
80 \fi
81 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
82 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
83 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
84 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
85 \renewenvironment{thebibliography}[1]
86   {\section*{\refname}%
87    \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
88   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
89    \list{\@biblabel{\@arabic\c@enumiv}}%
90         {\settowidth\labelwidth{\@biblabel{#1}}%
91          \leftmargin\labelwidth
92          \advance\leftmargin\labelsep
93          \@openbib@code
94          \usecounter{enumiv}%
95          \let\p@enumiv\@empty
96          \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
97   \sloppy\clubpenalty4000\widowpenalty4000%
98   \sfcode`. \m}
99   {\def\@noitemerr
100    {\@latex@warning{Empty `thebibliography' environment}}%
101   \endlist}

```

```

102 \renewcommand*\left@footnote{%
103   \kern-3\p@
104   \kern.5\baselineskip
105   \hrule\@width\unitindent
106   \kern.4\baselineskip
107 }
108 \renewcommand*\right@footnote{%
109   \hbox to \columnwidth
110   {\beginR \vbox{%
111     \kern-3\p@
112     \kern.5\baselineskip
113     \hrule\@width\unitindent
114     \kern.4\baselineskip}\hfil\endR}
115 }
116 \if@titlepage
117 \renewcommand*\TitleFont{\rmfamily}
118 \renewcommand*\maketitle{%
119   \begin{titlepage}%
120     \let\footnotesize\small
121     \let\right@footnote\relax
122     \let\left@footnote\relax
123     \let\textwidth@footnote\relax
124     \let \footnote \thanks
125     \long\def\@makefnmark##1{\parindent\z@
126       \def\labelitemi{\textendash}\@revlabeltrue
127       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
128   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
129   \if@compatibility\setcounter{page}{0}\fi
130   \null\vfil
131   \vskip 60\p@
132   \begin{center}%
133     \TitleFont
134     {\LARGE \def\\{\penalty -\@M}
135       \if@allcaps
136         \expandafter\uc@nothanks\@title\thanks\relax
137       \else
138         \@title
139       \fi\par}%
140   \vskip 3em%
141   {\large
142     \lineskip .75em \parindent\z@
143     \begin{tabular}[t]{c}%
144       \if@allcaps
145         \expandafter\uc@authornothanks\@author\and\relax
146       \else
147         \@author
148       \fi
149     \end{tabular}\par}%
150   \vskip 1.5em%
151   {\large

```



```

152     \if@allcaps
153     \uppercase\expandafter{\@date}%
154     \else
155     \@date
156     \fi\par}%
157 \end{center}\par
158 \@thanks
159 \vfil\null
160 \end{titlepage}%
161 \setcounter{footnote}{0}%
162 \global\let\thanks\relax
163 \global\let\maketitle\relax
164 \global\let\@thanks\@empty
165 \global\let\@author\@empty
166 \global\let\@title\@empty
167 \global\let\@date\@empty
168 \global\let\title\relax
169 \global\let\author\relax
170 \global\let\date\relax
171 \global\let\and\relax
172 }
173 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
174 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
175     \futurelet\@tempa\uc@ax}
176 \def\uc@ax{%
177     \ifx\@tempa\relax
178     \else
179     \ \andname \ \ \expandafter\uc@authornothanks
180     \fi}
181 \def\uc@tx{\ifx\@tempa\relax
182     \else \expandafter\uc@ty \fi}
183 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
184 \else
185 \renewcommand*\maketitle{\par
186 \begingroup
187     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
188     \def\@makefnmark{\rlap{%
189         \@textsuperscript{\normalfont\@thefnmark}}}%
190     \long\def\@makefntext{\@xmakefntext{%
191         \@textsuperscript{\normalfont\@thefnmark}}}%
192     \if@twocolumn
193     \ifnum \col@number=\@ne
194     \maketitle
195     \else
196     \twocolumn[\@maketitle]%
197     \fi
198     \else
199     \newpage
200     \global\@topnum\z@
201     \@maketitle

```

```

202 \fi
203 \thispagestyle{plain}\@thanks
204 \endgroup
205 \setcounter{footnote}{0}%
206 \global\let\thanks\relax
207 \global\let\maketitle\relax
208 \global\let\@maketitle\relax
209 \global\let\@thanks\@empty
210 \global\let\@author\@empty
211 \global\let\@title\@empty
212 \global\let\@date\@empty
213 \global\let\title\relax
214 \global\let\author\relax
215 \global\let\date\relax
216 \global\let\and\relax
217 }
218 \def\@maketitle{%
219 \newpage
220 \null
221 \vskip 2em%
222 \begin{center}%
223 \let \footnote \thanks
224 {\LARGE \TitleFont \@title \par}%
225 \vskip 1.5em%
226 {\large \TitleFont
227 \lineskip .5em%
228 \begin{tabular}[t]{c}%
229 \@author
230 \end{tabular}\par}%
231 \vskip 1em%
232 {\large \TitleFont \@date}%
233 \end{center}%
234 \par
235 \vskip 1.5em}
236 \fi

```

## 7.8 artikel2-xetex-bidi.def

```

1 \ProvidesFile{artikel2-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for artikel2 class for XeTeX]
2 \renewcommand*\@regtocline[3]{%
3 \ifnum #1>\c@tocdepth
4 \else
5 \vskip\z@\@plus.2\p@
6 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
7 \if@RTL\righskip\else\leftskip\fi\unitindent
8 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
9 \parfillskip\z@
10 \@tempdima\unitindent
11 \advance\@tempdima by \othermargin
12 \parindent\z@

```

```

13     \leavevmode
14     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15     \hskip 1em \nobreak{\slshape #3}\par
16     }%
17   \fi}
18 \if@oldtoc
19 \renewcommand*\l@section[2]{%
20   \addpenalty\@secpenalty
21   \addvspace{1.0em \@plus\p@}%
22   \setlength\@tempdima{1.5em}%
23   \begingroup
24   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
25   \parfillskip -\@pnumwidth
26   \leavevmode \bfseries
27   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
28   \hskip -\if@RTL\rightskip\else\leftskip\fi
29   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
30   \endgroup}
31 \else
32   \renewcommand*\l@section{\@regtocline{1}}
33 \fi
34 \if@oldtoc
35 \renewcommand*\l@part[2]{%
36   \ifnum \c@tocdepth >-2\relax
37     \addpenalty\@secpenalty
38     \addvspace{2.25em \@plus\p@}%
39     \begingroup
40       \setlength\@tempdima{3em}%
41       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
42       \parfillskip -\@pnumwidth
43       {\leavevmode
44         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
45         \nobreak
46         \if@compatibility
47           \global\@nobreaktrue
48           \everypar{\global\@nobreakfalse\everypar{}}%
49         \fi
50       \endgroup
51   \fi}
52 \else
53   \renewcommand*\l@part{%
54     \ifnum \c@tocdepth >-2\relax
55       \addpenalty\@secpenalty
56       \addvspace{2.25em \@plus \p@}%
57       \@regtocline{0}%
58     \fi}
59 \fi
60 \renewcommand*\head@style{%
61   \interlinepenalty \@M
62   \hyphenpenalty=\@M \exhyphenpenalty=\@M

```

```

63 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
64 \if@titlepage
65 \renewenvironment{abstract}{%
66 \titlepage
67 \null\vfil
68 \section*{\SectFont\abstractname}%
69 \noindent\ignorespaces}
70 {\par\vfil\null\endtitlepage}
71 \else
72 \renewenvironment{abstract}{%
73 \if@twocolumn
74 \section*{\abstractname}%
75 \else
76 \section*{\hskip\unitindent\small\SectFont\abstractname}%
77 \list*{\setlength\listparindent{\unitindent}%
78 \setlength\parindent {\z@}%
79 \setlength\leftmargin {\unitindent}%
80 \setlength\rightmargin {\unitindent}%
81 \setlength\parsep {\z@}}%
82 \item[]%
83 \fi}
84 {\if@twocolumn\else\par\endlist\fi}
85 \fi
86 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
87 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
88 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
89 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
90 \renewcommand*\left@footnote{%
91 \kern-3\p@
92 \hrule\@width 3\unitindent
93 \kern 2.6\p@
94 }
95 \renewcommand*\right@footnote{%
96 \hbox to \columnwidth
97 {\beginR \vbox{%
98 \kern-3\p@
99 \hrule\@width 3\unitindent
100 \kern 2.6\p@}\hfil\endR}
101 }
102 \renewenvironment{thebibliography}[1]
103 {\section*{\refname}%
104 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
105 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
106 \list*{\@biblabel{\@arabic\c@enumiv}}%
107 {\settowidth\labelwidth{\@biblabel{#1}}%
108 \leftmargin\labelwidth
109 \advance\leftmargin\labelsep
110 \openbib@code
111 \usecounter{enumiv}%
112 \let\p@enumiv\@empty

```

```

113         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
114     \sloppy\clubpenalty4000\widowpenalty4000%
115     \sfcode`. \.\@m}
116     {\def\@noitemerr
117         {\@latex@warning{Empty `thebibliography' environment}}}%
118     \endlist}
119 \if@titlepage
120 \renewcommand*\TitleFont{\rmfamily}
121 \renewcommand*\maketitle{%
122     \begin{titlepage}%
123         \let\footnotesize\small
124         \let\right@footnote\relax
125         \let\left@footnote\relax
126         \let\textwidth@footnote\relax
127         \let \footnote \thanks
128         \long\def\@makefnmark##1{\parindent\z@
129             \def\labelitemi{\textendash}\@revlabeltrue
130             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
131     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
132     \if@compatibility\setcounter{page}{0}\fi
133     \null\vfil
134     \vskip 60\p@
135     \begin{center}%
136         \TitleFont
137         {\LARGE \def\{\{\penalty -\@M}
138             \if@allcaps
139                 \expandafter\uc@nothanks\@title\thanks\relax
140             \else
141                 \@title
142             \fi\par}%
143     \vskip 3em%
144     {\large
145         \lineskip .75em \parindent\z@
146         \begin{tabular}[t]{c}%
147             \if@allcaps
148                 \expandafter\uc@authornothanks\@author\and\relax
149             \else
150                 \@author
151             \fi
152         \end{tabular}\par}%
153     \vskip 1.5em%
154     {\large
155         \if@allcaps
156             \uppercase\expandafter{\@date}%
157         \else
158             \@date
159         \fi\par}%
160     \end{center}\par
161     \@thanks
162     \vfil\null

```

```

163 \end{titlepage}%
164 \setcounter{footnote}{0}%
165 \global\let\thanks\relax
166 \global\let\maketitle\relax
167 \global\let\@thanks\@empty
168 \global\let\@author\@empty
169 \global\let\@title\@empty
170 \global\let\@date\@empty
171 \global\let\title\relax
172 \global\let\author\relax
173 \global\let\date\relax
174 \global\let\and\relax
175 }
176 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
177 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
178 \futurelet\@tempa\uc@ax}
179 \def\uc@ax{%
180 \ifx\@tempa\relax
181 \else
182 \ \ \andname \ \ \expandafter\uc@authornothanks
183 \fi}
184 \def\uc@tx{\ifx\@tempa\relax
185 \else \expandafter\uc@ty \fi}
186 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
187 \else
188 \renewcommand*\maketitle{\par
189 \begingroup
190 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
191 \long\def\@makefnstext##1{\parindent\z@
192 \def\labelitemi{\textendash}%
193 \leavevmode\hb@xt@.5\unitindent{%
194 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
195 \iftwocolumn
196 \ifnum \col@number=\@ne
197 \@maketitle
198 \else
199 \twocolumn[\@maketitle]%
200 \fi
201 \else
202 \newpage
203 \global\@topnum\z@
204 \@maketitle
205 \fi
206 \thispagestyle{plain}\@thanks
207 \endgroup
208 \setcounter{footnote}{0}%
209 \global\let\thanks\relax
210 \global\let\maketitle\relax
211 \global\let\@maketitle\relax
212 \global\let\@thanks\@empty

```

```

213 \global\let\@author\@empty
214 \global\let\@title\@empty
215 \global\let\@date\@empty
216 \global\let\title\relax
217 \global\let\author\relax
218 \global\let\date\relax
219 \global\let\and\relax
220 }
221 \def\@maketitle{%
222 \newpage
223 \null
224 \vskip 2em%
225 \begin{center}%
226 \let \footnote \thanks
227 {\LARGE \TitleFont \@title \par}%
228 \vskip 1.5em%
229 {\large \TitleFont
230 \lineskip .5em%
231 \begin{tabular}[t]{c}%
232 \@author
233 \end{tabular}\par}%
234 \vskip 1em%
235 {\large \TitleFont \@date}%
236 \end{center}%
237 \par
238 \vskip 1.5em}
239 \fi

```

## 7.9 artikel3-xetex-bidi.def

```

1 \ProvidesFile{artikel3-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for artikel3 class for XeTeX]
2 \renewcommand*\head@style{%
3 \interlinepenalty \@M
4 \hyphenpenalty=\@M \exhyphenpenalty=\@M
5 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6 \renewcommand*\@regtocline[3]{%
7 \ifnum #1>\c@tocdepth
8 \else
9 \vskip\z@\@plus.2\p@
10 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
11 \if@RTL\rightskip\else\leftskip\fi\unitindent
12 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
13 \parfillskip\z@
14 \@tempdima\unitindent
15 \parindent\z@
16 \leavevmode
17 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
18 \hskip 1em \nobreak{\slshape #3}\par
19 }%
20 \fi}

```

```

21 \if@oldtoc
22 \renewcommand*\l@part[2]{%
23   \ifnum \c@tocdepth >-2\relax
24     \addpenalty\@secpenalty
25     \addvspace{2.25em \@plus\p@}%
26     \begingroup
27       \setlength\@tempdima{3em}%
28       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
29       \parfillskip -\@pnumwidth
30       {\leavevmode
31         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
32         \nobreak
33         \if@compatibility
34           \global\@nobreaktrue
35           \everypar{\global\@nobreakfalse\everypar{}}%
36         \fi
37       \endgroup
38   \fi}
39 \else
40   \renewcommand*\l@part{%
41     \ifnum \c@tocdepth >-2\relax
42       \addpenalty\@secpenalty
43       \addvspace{2.25em \@plus \p@}%
44       \@regtocline{0}%
45     \fi}
46 \fi
47
48 \if@oldtoc
49 \renewcommand*\l@section[2]{%
50   \addpenalty\@secpenalty
51   \addvspace{1.0em \@plus\p@}%
52   \setlength\@tempdima{1.5em}%
53   \begingroup
54     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
55     \parfillskip -\@pnumwidth
56     \leavevmode \bfseries
57     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
58     \hskip -\if@RTL\rightskip\else\leftskip\fi
59     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
60   \endgroup}
61 \else
62   \renewcommand*\l@section{\@regtocline{1}}
63 \fi
64 \if@titlepage
65   \renewenvironment{abstract}{%
66     \titlepage
67     \null\vfil
68     \section*{\SectFont\abstractname}%
69     \noindent\ignorespaces
70     {\par\vfil\null\endtitlepage}

```



```

71 \else
72 \renewenvironment{abstract}{%
73     \if@twocolumn
74     \section*{\abstractname}%
75     \else
76     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
77     \section*{\small\SectFont\abstractname}%
78     \noindent\ignorespaces
79     \fi}
80 {\if@twocolumn\else\par\egroup\fi}
81 \fi
82 \renewcommand*\left@footnote{%
83     \kern-3\p@
84     \kern.5\baselineskip
85     \hrule\@width\unitindent
86     \kern.4\baselineskip
87 }
88 \renewcommand*\right@footnote{%
89     \hbox to \columnwidth
90     {\beginR \vbox{%
91         \kern-3\p@
92         \kern.5\baselineskip
93         \hrule\@width\unitindent
94         \kern.4\baselineskip}\hfil\endR}
95 }
96 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
97 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
98 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
99 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
100 \renewenvironment{thebibliography}[1]
101     {\section*{\refname}%
102     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
103     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
104     \list{\@biblabel{\@arabic\c@enumiv}}%
105     {\settowidth\labelwidth{\@biblabel{#1}}%
106     \leftmargin\labelwidth
107     \advance\leftmargin\labelsep
108     \openbib@code
109     \usecounter{enumiv}%
110     \let\p@enumiv\@empty
111     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
112     \sloppy\clubpenalty4000\widowpenalty4000%
113     \sfcode`..\@m}
114     {\def\@noitemerr
115     {\@latex@warning{Empty `thebibliography' environment}}%
116     \endlist}
117 \if@titlepage
118 \renewcommand*\TitleFont{\rmfamily}
119 \renewcommand*\maketitle{%
120 \begin{titlepage}%

```

```

121 \let\footnotesize\small
122 \let\right@footnote\relax
123 \let\left@footnote\relax
124 \let\textwidth@footnote\relax
125 \let \footnote \thanks
126 \long\def\@makefnmark##1{\parindent\z@
127     \def\labelitemi{\textendash}\@revlabeltrue
128     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
129 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
130 \if@compatibility\setcounter{page}{0}\fi
131 \null\vfil
132 \vskip 60\p@
133 \begin{center}%
134     \TitleFont
135     {\LARGE \def\{\penalty -\@M}
136     \if@allcaps
137         \expandafter\uc@nothanks\@title\thanks\relax
138     \else
139         \@title
140     \fi\par}%
141 \vskip 3em%
142 {\large
143     \lineskip .75em \parindent\z@
144     \begin{tabular}[t]{c}%
145         \if@allcaps
146             \expandafter\uc@authornothanks\@author\and\relax
147         \else
148             \@author
149         \fi
150     \end{tabular}\par}%
151 \vskip 1.5em%
152 {\large
153     \if@allcaps
154         \uppercase\expandafter{\@date}%
155     \else
156         \@date
157     \fi\par}%
158 \end{center}\par
159 \@thanks
160 \vfil\null
161 \end{titlepage}%
162 \setcounter{footnote}{0}%
163 \global\let\thanks\relax
164 \global\let\maketitle\relax
165 \global\let\@thanks\@empty
166 \global\let\@author\@empty
167 \global\let\@title\@empty
168 \global\let\@date\@empty
169 \global\let\title\relax
170 \global\let\author\relax

```

```

171 \global\let\date\relax
172 \global\let\and\relax
173 }
174 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
175 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
176 \futurelet\@tempa\uc@ax}
177 \def\uc@ax{%
178 \ifx\@tempa\relax
179 \else
180 \ \ \andname \ \ \expandafter\uc@authornothanks
181 \fi}
182 \def\uc@tx{\ifx\@tempa\relax
183 \else \expandafter\uc@ty \fi}
184 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
185 \else
186 \renewcommand*\maketitle{\par
187 \begingroup
188 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
189 \def\@makefnmark{\rlap{%
190 \@textsuperscript{\normalfont\@thefnmark}}}%
191 \long\def\@makefnmark{\@makefnmark{%
192 \@textsuperscript{\normalfont\@thefnmark}}}%
193 \if@twocolumn
194 \ifnum \col@number=\@ne
195 \@maketitle
196 \else
197 \twocolumn[\@maketitle]%
198 \fi
199 \else
200 \newpage
201 \global\@topnum\z@
202 \@maketitle
203 \fi
204 \thispagestyle{plain}\@thanks
205 \endgroup
206 \setcounter{footnote}{0}%
207 \global\let\thanks\relax
208 \global\let\maketitle\relax
209 \global\let\@maketitle\relax
210 \global\let\@thanks\@empty
211 \global\let\@author\@empty
212 \global\let\@title\@empty
213 \global\let\@date\@empty
214 \global\let\title\relax
215 \global\let\author\relax
216 \global\let\date\relax
217 \global\let\and\relax
218 }
219 \def\@maketitle{%
220 \newpage

```

```

221 \null
222 \vskip 2em%
223 \if@titlecentered
224 \begin{center}%
225 \let \footnote \thanks
226 {\LARGE \TitleFont \@title \par}%
227 \vskip 1.5em%
228 {\large \TitleFont
229 \lineskip .5em%
230 \begin{tabular}[t]{c}%
231 \author
232 \end{tabular}\par}%
233 \vskip 1em%
234 {\large \TitleFont \@date}%
235 \end{center}%
236 \else
237 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
238 {\large \TitleFont \lineskip .5em \tabcolsep\z@
239 \def\and{%% \begin{tabular} has already started
240 \end{tabular}\hskip 1em plus .17fil
241 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi%% \end{tabular} will com
242 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
243 \vskip 1em {\large \TitleFont \@date}
244 \fi
245 \par
246 \vskip 1.5em}
247 \fi

```

## 7.10 arydshln-xetex-bidi.def

```

1 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for Xe
2 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
3 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
4 \expandafter\let\csname endtabular*\endcsname\endtabular
5 \let\adl@array\@array
6 \def\@array{\adl@everyvbox\everyvbox
7 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
8 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
9 \let\adl@noalign\noalign
10 \adl@array}
11 \ifadl@usingarypkg
12 \def\@testpach{\@chclass
13 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
14 \ifnum \@lastchclass=7 5 \else
15 \ifnum \@lastchclass=8 \tw@ \else
16 \ifnum \@lastchclass=9 \thr@@
17 \else \z@
18 \ifnum \@lastchclass = 10 \else
19 \edef\@nextchar{\expandafter\string\@nextchar}%
20 \chnum

```

```

21 \if \@nextchar c\z@ \else
22 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
23 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
24 \z@ \@chclass
25 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
26 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
27 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
28 \if \@nextchar !6 \else
29 \if \@nextchar @7 \else
30 \if \@nextchar <8 \else
31 \if \@nextchar >9 \else
32 10
33 \@chnum
34 \if \@nextchar m\thr@@\else
35 \if \@nextchar p4 \else
36 \if \@nextchar b5 \else
37 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
38 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
39
40 \def\@classz{\@classx
41 \@tempcnta \count@
42 \prepnext@tok
43 \@addtopreamble{\ifcase \@chnum
44 \hfil
45 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
46 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
47 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
48 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
49 \adl@endmbox\or
50 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
51 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
52 \fi}\prepnext@tok}
53 \def\adl@class@start{4}
54 \def\adl@class@iii{7}
55
56 \else
57 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\@tw@ 4\relax \else
58 \ifnum \@lastchclass=\@thr@@ 5\relax \else
59 \z@ \if #1c\@chnum \z@ \else
60 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
61 \if \if@RTLtab#1l\else#1r\fi\@chnum \@tw@ \else
62 \@chclass
63 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
64 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
65 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
66 \if #1@\@tw@ \else
67 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
68 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
69
70 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or

```

```

71         \or \or \@addamp \or
72         \@acolampacol \or \@firstampfalse \@acol \fi
73     \edef\@preamble{\@preamble
74         \ifcase \@chnum
75             \hfil\adl@putlrc{\relax\@sharp}\hfil
76             \or \adl@putlrc{\relax\@sharp}\hfil
77             \or \hfil\adl@putlrc{\relax\@sharp}\fi}}
78 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
79     \or \or \@addamp \or
80     \@acolampacol \or \@firstampfalse \@acol \fi
81     \edef\@preamble{\@preamble
82     \ifcase \@chnum
83         \hfil\adl@putlrc{\@sharp\unskip}\hfil
84         \or \adl@putlrc{\@sharp\unskip}\hfil
85         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
86 \def\adl@class@start{6}
87 \def\adl@class@iiiorvii{3}
88 \fi
89 \@ifpackageloaded{colortbl}{%
90 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
91 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
92     \let\@endpbox\adl@org@endpbox}
93 \let\adl@CT@setup\CT@setup
94 \def\CT@setup{\adl@CT@setup
95     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
96     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
97     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
98 \let\adl@act@CT@setup\CT@setup
99 \def\@classz{\@classx
100     \@tempcnta\count@ \prepnext@tok
101     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
102     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
103     \expandafter\adl@extract@drsc
104         \the\toks\@tempcnta\doublerulesepcolor!\@nil
105     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
106     \@addtopreamble{\ifRTL\beginL\fi%
107         \setbox\z@\hbox\bgroup\bgroup\ifRTL\beginR\fi
108         \ifcase \@chnum
109             \hskip\stretch{.5}\kern\z@
110             \dollarbegin
111             \insert@column
112             \dollarend\hskip\stretch{.5}%
113         \or \dollarbegin \insert@column \dollarend \hfill
114         \or \hfill \kern\z@ \dollarbegin \insert@column \dollarend
115         \or $\vcenter
116             \@startpbox{\@nextchar}\insert@column \@endpbox $%
117         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
118         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
119         \fi
120     \ifRTL\endR\fi\egroup\egroup

```

```

121         \begingroup
122             \CT@setup
123             \CT@column@color
124             \CT@row@color
125             \CT@cell@color
126             \CT@do@color
127         \endgroup
128         \@tempdima\ht\z@
129         \advance\@tempdima\minrowclearance
130         \vrule\@height\@tempdima\@width\z@
131         \unhbox\z@\if@RTL\endL\fi}%
132     \prepnext@tok}
133 \let\adl@act@classz\@classz
134 \let\adl@org@classz\@classz
135 }{}

```

## 7.11 bidi.sty

```

1 \NeedsTeXFormat{LaTeX2e}
2 \def\bidiidate{2011/03/21}
3 \def\bidiversion{v1.1.6}
4 \def\bidicommit{commit 145}
5 \ProvidesPackage{bidi}[\bidiidate\space \bidiversion\space <\bidicommit>
6 Bidirectional typesetting in plain TeX and LaTeX]
7 \edef\bidiinfo{%
8 bidi package (Support for bidirectional typesetting in plain TeX and LaTeX)^^J
9 Description: A convenient interface for typesetting bidirectional^^J
10 texts in plain TeX and LaTeX. The package includes adaptations for use^^J
11 with many other commonly-used packages.^^J
12 Copyright © 2009–2011 Vafa Khalighi^^J
13 \bidiversion, <\bidicommit>, \bidiidate^^J
14 License: LaTeX Project Public License, version 1.3c or higher (your choice)^^J
15 Home: http://bitbucket.org/vafa/bidi^^J
16 Location on CTAN: /macros/latex/contrib/bidi}
17 \typeout{\bidiinfo}
18 \edef\bidi@everyjob{\the\everyjob}
19 \everyjob{\bidi@everyjob\typeout{\bidiinfo}}
20 \RequirePackage{iftex}
21 \def\@tagsextension{clo}
22 \def\@definitionfileextension{def}
23 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
24 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
25 \newif\if@RTLmain
26 \newif\if@RTL
27 \newif\if@RTLMaths
28 \newif\if@Latin
29 \newif\if@RTLtab
30 \newif\if@RTLmarginpar
31 \newif\if@LTRmarginpar
32 \newif\if@LTRbibitems

```

```

33 \newif\if@RTLbibitems
34 \newif\if@sendir
35 \newif\if@RTL@footnote
36 \newif\if@developmentversion
37 \let\if@rlmain=\if@RTLmain
38 \let\@rlmaintrue=\@RTLmaintrue
39 \let\@rlmainfalse=\@RTLmainfalse
40 \let\if@rl=\if@RTL
41 \let\@rltrue=\@RTLtrue
42 \let\@rlfalse=\@RTLfalse
43 \let\if@rl@footnote=\if@RTL@footnote
44 \let\@rl@footnotetrue=\@RTL@footnotetrue
45 \let\@rl@footnotefalse=\@RTL@footnotefalse
46 \let\if@tab@rl=\if@RTLtab
47 \let\@tab@rltrue=\@RTLtabtrue
48 \let\@tab@rlfalse=\@RTLtabfalse
49 \@RTLmainfalse
50 \AtBeginDocument{%
51   \if@RTLmain\else
52     \if@RTL\@RTLmaintrue%
53     \else\@RTLmainfalse%
54     \fi%
55   \fi%
56 }
57 \let\n@xt=\
58 \def\LRE{\protect\pLRE}%
59 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
60 \def\RLER{\protect\pRLE}
61 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
62 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
63   \errmessage{Missing left brace has been substituted}\fi \bgroup}
64 \input{loadingorder-bidi.def}
65 \ifXeTeX
66   \input{xetex-bidi.def}
67 \else
68   \ifLuaTeX
69     \input{luatex-bidi.def}
70   \else
71     \PackageError{bidi}{TeX engines other than XeTeX and LuaTeX are not yet supported}{}
72   \fi
73 \fi
74 %\@developmentversiontrue
75 \if@developmentversion
76   \PackageWarningNoLine{bidi}{Thanks for testing the development version of bidi package. The devel
77 \fi
78 \ProcessOptions

7.12 bidi.tex
1 \def\bididate{2011/03/21}

```



```

2 \def\bidiversion{v0.1}
3 \def\bidiccommit{commit 145}
4 \catcode`@=11
5 \edef\bidiiinfo{%
6 bidi package (Support for bidirectional typesetting in plain TeX and LaTeX)^^J
7 Description: A convenient interface for typesetting bidirectional^^J
8 texts in plain TeX and LaTeX. The package includes adaptations for use^^J
9 with many other commonly-used packages.^^J
10 Copyright © 2009-2011 Vafa Khalighi^^J
11 \bidiversion, <\bidiccommit>, \bididate^^J
12 License: LaTeX Project Public License, version 1.3c or higher (your choice)^^J
13 Home: http://bitbucket.org/vafa/bidi^^J
14 Location on CTAN: /macros/latex/contrib/bidi}
15 \message{\bidiiinfo}
16 \edef\bidi@everyjob{\the\everyjob}
17 \everyjob{\bidi@everyjob\message{\bidiiinfo}}
18 \input iftex.sty
19 \newif\if@RTLmain
20 \newif\if@RTL
21 \newif\if@sensdir
22 \newif\if@RTL@footnote
23 \@RTLmainfalse
24 \def\setRTLmain{%
25   \if@RTLmain\else
26     \if@RTL\@RTLmaintrue%
27     \else\@RTLmainfalse%
28     \fi%
29   \fi%
30 }
31 \let\n@xt=\
32 \def\LRE{\protect\pLRE}%
33 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
34 \def\RLE{\protect\pRLE}
35 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
36 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
37 \errmessage{Missing left brace has been substituted}\fi \bgroup}
38 \ifXeTeX
39   \input plain-xetex-bidi.def
40 \else
41   \ifLuaTeX
42     \input plain-luatex-bidi.def
43   \else
44     \errmessage{TeX engines other than XeTeX and LuaTeX are not yet supported}
45   \fi
46 \fi
47 \catcode`@=12

```

### 7.13 bidi2in1.sty

```

1 \NeedsTeXFormat{LaTeX2e}

```

```

2 \ProvidesPackage{bidi2in1}
3 \pagestyle{plain}
4 \newcount\evenpage
5 \newcount\oddpge
6 \twocolumn
7 \def\@oddfont{\evenpage=\thepage%
8 \multiply\evenpage by 2%
9 \oddpge=\the\evenpage%
10 \advance\oddpge by -1%
11 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
12 \def\@evenfont{\evenpage=\thepage%
13 \multiply\evenpage by 2%
14 \oddpge=\the\evenpage%
15 \advance\oddpge by -1%
16 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
17 \textwidth 9.49in
18 \textheight 6.7in
19 \columnsep 0.9in
20 \columnseprule 0.125pt
21 \headheight 0cm
22 \topmargin 0in
23 \marginparwidth 0in
24 \marginparsep 0in
25 \hoffset 0.05in % Corrected
26 \voffset -0.5in %top margin space is 1.0in by default
27 \oddsidemargin 0in
28 \evensidemargin 0in
29 \headsep 0cm
30 \topskip 0cm
31 \parskip 0.15in %
32 \headsep 0pt
33 \special{papersize=11.69in,8.26in}
34 \renewcommand\maketitle{\par
35 \begingroup
36 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
37 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
38 \long\def\@makefntext##1{\parindent 1em\noindent
39 \hb@xt@1.8em{%
40 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
41 \@maketitle
42 \@thanks
43 \endgroup
44 \setcounter{footnote}{0}%
45 \global\let\thanks\relax
46 \global\let\maketitle\relax
47 \global\let\@maketitle\relax
48 \global\let\@thanks\@empty
49 \global\let\@author\@empty
50 \global\let\@date\@empty
51 \global\let\@title\@empty

```

```

52 \global\let\title\relax
53 \global\let\author\relax
54 \global\let\date\relax
55 \global\let\and\relax
56 }

```

## 7.14 bidicode.sty

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{bidicode}
3 \RequirePackage{xcolor}
4 \RequirePackage{showexpl}
5 \definecolor{hellgelb}{rgb}{1,1,0.85}
6 \definecolor{colKeys}{rgb}{0,0,1}
7 \definecolor{colIdentifier}{rgb}{0,0,0}
8 \definecolor{colComments}{rgb}{1,0,0}
9 \definecolor{colString}{rgb}{0,0.5,0}
10 \lstset{
11     language=[LaTeX]TEX,
12     float=hbp,
13     basicstyle=\ttfamily\small,
14     identifierstyle=\color{colIdentifier},
15     keywordstyle=\color{colKeys},
16     stringstyle=\color{colString},
17     commentstyle=\color{colComments},
18     columns=flexible,
19     tabsize=4,
20     gobble =1,
21     extendedchars=true,
22     showspaces=false,
23     showstringspaces=false,
24     captionpos=b,
25     xleftmargin=1em,
26     breaklines=true,
27     breakautoindent=true,
28     escapeinside=**,
29     pos=b,
30     explpreset={%
31     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
32     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate,%
33     bidicommit}
34 }
35 \lstdefinestyle{syntax}{backgroundcolor=\color{blue!20},numbers=none,xleftmargin=0pt,xrightmargin=0pt}
36 \lstdefinestyle{code}{backgroundcolor=\color{red!20},numbers=none,xleftmargin=0pt,xrightmargin=0pt}
37 \lst@UserCommand\lstlistlistingname{List of Examples} % \lstlistoflistings
38 \lst@UserCommand\lstlistingname{Example}
39 \newcommand\HLON{%
40     \gdef\lst@alloverstyle##1{%
41         \fboxrule=0pt
42         \fboxsep=0pt

```

```

43   \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
44 }}
45 \newcommand\HLOFF{%
46   \xdef\lst@alloverstyle##1{##1}%
47 }
48 \newcommand\Larg [1]{\normalfont\itshape#1\/}
49 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
50 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
51 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
52 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
53 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
54 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
55
56 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
57 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
58 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`}}
59 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
60 \DeclareRobustCommand\rsb{\normalfont\ttfamily}}
61 \DeclareRobustCommand\lrb{\normalfont\ttfamily()}
62 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}}
63
64 \def\Lcs#1{\nxLcs{#1}}
65 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
66 \def\nxLcs#1{\texttt{\symbol{92}#1}}
67
68 \def\Coordx#1{$x_{#1}$}
69 \def\Coordy#1{$y_{#1}$}
70 \def\Coordz#1{$z_{#1}$}
71 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
72 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
73 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
74 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
75 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
76 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
77 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
78 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
79 \def\coordx#1{($x_{#1}$)}
80 \def\coordy#1{($y_{#1}$)}
81 \def\coordz#1{($z_{#1}$)}
82 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
83 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
84
85 \newsavebox{\boxdef}
86 \newenvironment{BDef}
87   {\begin{lrbox}\boxdef
88     \def\arraystretch{1.0}
89     \begin{tabular}{@{}l@{}l@{}l@{}}
90   }
91   {\end{tabular}\end{lrbox}}
92

```

```

93   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
94   \aftergroup\@afterindentfalse\aftergroup\@afterheading
95 }
96
97 \newenvironment{BDef*}
98   {\begin{lrbox}\boxdef
99     \def\arraystretch{1.0}
100    \begin{tabular}{@{}l@{}l@{}l@{}}
101   }
102   {\end{tabular}\end{lrbox}
103   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
104   \aftergroup\@afterindentfalse\aftergroup\@afterheading
105 }
106 \newenvironment{BCmd}{
107   \@beginparpenalty-\@lowpenalty
108   \topsep\BDefaboveskip
109   \fbboxsep3pt
110   \flushleft}
111   {\@endparpenalty\@M
112   \@topsepadd\BDefbelowskip
113   \endflushleft}
114
115 \newenvironment{BCmd*}{
116   \@beginparpenalty\@M
117   \topsep\BDefinlineskip
118   \fbboxsep3pt
119   \flushleft}
120   {\@endparpenalty5000
121   \endflushleft}
122
123 \newskip\BDefaboveskip
124 \newskip\BDefbelowskip
125 \newskip\BDefinlineskip
126 \setlength\BDefaboveskip{10pt plus 4pt}
127 \setlength\BDefbelowskip{6pt}
128 \setlength\BDefinlineskip{6pt}
129
130 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
131 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
132 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
133 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

## 7.15 bidiftnxtra.sty

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{bidiftnxtra}
3 \newtoks\bidip@ftn
4 \let\FN@sf@footnote\footnote
5 \let\FN@sf@LTRfootnote\LTRfootnote
6 \let\FN@sf@RTLfootnote\RTLfootnote

```

```

7 \def\footnote{\ifx\protect\@typeset@protect
8   \expandafter\FN@sf@@footnote
9   \else
10  \expandafter\FN@sf@gobble@opt
11  \fi
12 }
13 \def\LTRfootnote{\ifx\protect\@typeset@protect
14   \expandafter\FN@sf@@LTRfootnote
15   \else
16   \expandafter\FN@sf@gobble@opt
17   \fi
18 }
19 \def\RTLfootnote{\ifx\protect\@typeset@protect
20   \expandafter\FN@sf@@RTLfootnote
21   \else
22   \expandafter\FN@sf@gobble@opt
23   \fi
24 }
25 \edef\FN@sf@gobble@opt{\noexpand\protect
26  \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
27 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%
28  \@ifnextchar [%]
29  \FN@sf@gobble@twobracket
30  \@gobble
31 }
32 \def\FN@sf@gobble@twobracket[#1]#2{}
33 \let\FN@sf@@footnotemark\footnotemark
34 \def\footnotemark{\ifx\protect\@typeset@protect
35   \expandafter\FN@sf@@footnotemark
36   \else
37   \expandafter\FN@sf@gobble@optonly
38   \fi
39 }
40 \edef\FN@sf@gobble@optonly{\noexpand\protect
41  \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
42 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
43  \@ifnextchar [%]
44  \FN@sf@gobble@bracket
45  {}%
46 }
47 \def\FN@sf@gobble@bracket[#1]{}
48 \def\@tabular{\if@RTL\global\@RTLtabtrue\fi
49  \leavevmode \hbox \bgroup
50  \let\@footnotetext\@bidi@p@ftntext
51  \let\@LTRfootnotetext\@bidi@p@LTRftntext
52  \let\@RTLfootnotetext\@bidi@p@RTLftntext
53  \if@RTLtab\beginR \fi
54  $\let\@acol\@tabacol
55  \let\@classz\@tabclassz
56  \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}

```

```

57 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
58         \egroup $\if@RTLtab\endR\fi\egroup
59         \the\bidip@ftn
60         \global\bidip@ftn{}%
61         \global\@RTLtabfalse}
62 \long\def\bidip@ftntext#1{%
63   \edef\@tempy{\the\bidip@ftn\noexpand\footnotetext[\the\c@footnote]}%
64   \global\bidip@ftn\expandafter{\@tempy{#1}}}%
65 \long\def\bidip@LTRftntext#1{%
66   \edef\@tempyi{\the\bidip@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}%
67   \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
68 \long\def\bidip@RTLftntext#1{%
69   \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}%
70   \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
71 \def\@xfloat #1[#2]{%
72   \@nodocument
73   \def \@capttype {#1}%
74   \def \@fps {#2}%
75   \@onelevel@sanitize \@fps
76   \def \reserved@b {!}%
77   \ifx \reserved@b \@fps
78     \@fpsaddddefault
79   \else
80     \ifx \@fps \@empty
81       \@fpsaddddefault
82     \fi
83   \fi
84   \ifhmode
85     \@bsphack
86     \@floatpenalty -\@Mii
87   \else
88     \@floatpenalty-\@Miii
89   \fi
90   \ifinner
91     \@parmoderr\@floatpenalty\z@
92   \else
93     \@next\@currbox\@freelist
94     {%
95       \@tempcnta \sixt@@n
96       \expandafter \@tfor \expandafter \reserved@a
97       \expandafter :\expandafter =\@fps
98       \do
99       {%
100        \if \reserved@a h%
101          \ifodd \@tempcnta
102          \else
103            \advance \@tempcnta \@ne
104          \fi
105        \fi
106        \if \reserved@a t%

```

```

107         \@setfpsbit \tw@
108         \fi
109         \if \reserved@a b%
110             \@setfpsbit 4%
111         \fi
112         \if \reserved@a p%
113             \@setfpsbit 8%
114         \fi
115         \if \reserved@a !%
116             \ifnum \@tempcnta>15
117                 \advance\@tempcnta -\sixt@@n\relax
118             \fi
119         \fi
120     }%
121     \@tempcntb \csname ftype@\@capttype \endcsname
122     \multiply \@tempcntb \@xxxii
123     \advance \@tempcnta \@tempcntb
124     \global \count\@currbox \@tempcnta
125 }%
126 \@fltovf
127 \fi
128 \global \setbox\@currbox
129     \color@vbox
130     \normalcolor
131     \vbox \bgroup
132         \let\@footnotetext\@bidi@p@ftntext
133         \let\@LTRfootnotetext\@bidi@p@LTRftntext
134         \let\@RTLfootnotetext\@bidi@p@RTLftntext
135         \hsize\columnwidth
136         \@parboxrestore
137         \@floatboxreset
138 }
139 \def \@endfloatbox{%
140     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
141     \@minipagefalse
142     \outer@nobreak
143     \egroup                %% end of vbox
144     \the\@bidi@p@ftn
145     \global\@bidi@p@ftn{ }%
146     \color@endbox
147 }

```

## 7.16 bidimoderncv.cls

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesClass{bidimoderncv}
3 \newif\if@DEBUG\@DEBUGfalse
4 \DeclareOption{a4paper}{
5     \setlength\paperheight{297mm}
6     \setlength\paperwidth{210mm}}

```



```

7 \DeclareOption{a5paper}{
8   \setlength\paperheight{210mm}
9   \setlength\paperwidth{148mm}}
10 \DeclareOption{b5paper}{
11   \setlength\paperheight{250mm}
12   \setlength\paperwidth{176mm}}
13 \DeclareOption{letterpaper}{
14   \setlength\paperheight{11in}
15   \setlength\paperwidth{8.5in}}
16 \DeclareOption{legalpaper}{
17   \setlength\paperheight{14in}
18   \setlength\paperwidth{8.5in}}
19 \DeclareOption{executivepaper}{
20   \setlength\paperheight{10.5in}
21   \setlength\paperwidth{7.25in}}
22 \DeclareOption{landscape}{
23   \setlength\@tempdima{\paperheight}
24   \setlength\paperheight{\paperwidth}
25   \setlength\paperwidth{\@tempdima}}
26 \newcommand\@ptsize{}
27 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
28 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
29 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
30 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
31 \DeclareOption{final}{\setlength\overfullrule{0pt}}
32 \newif\if@colour\@colourtrue
33 \DeclareOption{nocolour}{\@colourfalse}
34 \ExecuteOptions{a4paper,11pt,colour,final}
35 \ProcessOptions\relax
36 \input{size1\@ptsize.clo}
37 \RequirePackage{color}
38 \RequirePackage{graphicx}
39 \RequirePackage{ifthen}
40 \RequirePackage{marvosym}
41 \addtolength{\oddsidemargin}{-54pt}
42 \addtolength{\textwidth}{109pt}
43 \addtolength{\topmargin}{-70pt}
44 \addtolength{\textheight}{122pt}
45 \addtolength{\marginparsep}{-5pt}
46 \addtolength{\marginparwidth}{-10pt}
47 \RequirePackage{url}
48 \RequirePackage{hyperref}
49 \hypersetup{%
50   breaklinks,
51   baseurl      = http://,%
52   pdfborder    = 0 0 0,%
53   pdfpagemode  = UseNone,%
54   pdfstartpage = 1}
55 \AtEndOfClass{%
56   \AtBeginDocument{%

```

```

57 \hypersetup{%
58 pdfauthor = \@firstname~\@familyname,%
59 pdftitle = \@title,%
60 pdfsubject = \@firstname~\@familyname,%
61 pdfkeywords = \@resumename~\@firstname~\@familyname}}
62 \urlstyle{tt}
63 \RequirePackage{fancyhdr}
64 \fancypagestyle{plain}{%
65 \renewcommand{\headrulewidth}{0pt}
66 \renewcommand{\footrulewidth}{0pt}
67 \fancyhf{}}
68 \pagestyle{plain}
69 \setlength\lineskip{1\p@}
70 \setlength\normallineskip{1\p@}
71 \renewcommand\baselinestretch{}
72 \setlength{\parindent}{0pt}
73 \setlength{\parskip}{0pt}
74 \setlength\columnsep{10\p@}
75 \setlength\columnseprule{0\p@}
76 \pagestyle{empty}
77 \pagenumbering{arabic}
78 \raggedbottom
79 \onecolumn
80 \providecommand*\listitemsymbol{\textbullet}
81 \providecommand*\addresssymbol{}
82 \providecommand*\mobilesymbol{\Mobilefone}
83 \providecommand*\phonesymbol{\Telefon}
84 \providecommand*\faxsymbol{\FAX}
85 \providecommand*\emailsymbol{\Letter}
86 \definecolor{firstnamecolour}{rgb}{0,0,0}
87 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
88 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
89 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
90 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
91 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
92 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
93 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
94 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
95 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
96 \providecommand*\firstnamefont{}
97 \providecommand*\familynamefont{}
98 \providecommand*\titlefont{}
99 \providecommand*\addressfont{}
100 \providecommand*\quote font{}
101 \providecommand*\sectionfont{}
102 \providecommand*\subsectionfont{}
103 \providecommand*\hintfont{\small}
104 \providecommand*\firstnamestyle}[1]{\{\@firstnamefont\@firstnamecolour#1}}
105 \providecommand*\familynamestyle}[1]{\{\@familynamefont\@familynamecolour#1}}
106 \providecommand*\titlestyle}[1]{\{\@titlefont\@titlecolour#1}}

```

```

107 \providecommand*\addressstyle}[1]{\addressfont\@addresscolour#1}}
108 \providecommand*\quotestyle}[1]{\quotefont\@quotecolour#1}}
109 \providecommand*\sectionstyle}[1]{\sectionfont\@sectiontitlecolour#1}}
110 \providecommand*\subsectionstyle}[1]{\subsectionfont\@subsectioncolour#1}}
111 \providecommand*\hintstyle}[1]{\hintfont\@hintcolour#1}}
112 \newcommand*\cvtheme}[2] [] {
113   \def\@cvtheme{#2}
114   \def\@cvthemeoptions{#1}}
115 \cvtheme{bidi-casual}
116 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
117 \newcommand*\resumename}[1]{\def\@resumename{#1}}
118 \newcommand*\firstname}[1]{\def\@firstname{#1}}
119 \newcommand*\familyname}[1]{\def\@familyname{#1}}
120 \renewcommand*\title}[1]{\def\@title{#1}}
121 \newcommand*\address}[1]{\def\@address{#1}}
122 \newcommand*\mobile}[1]{\def\@mobile{#1}}
123 \newcommand*\phone}[1]{\def\@phone{#1}}
124 \renewcommand*\fax}[1]{\def\@fax{#1}}
125 \newcommand*\email}[1]{\def\@email{#1}}
126 \newcommand*\extrainfo}[1]{\def\@extrainfo{#1}}
127 \def\@photowidth{Opt}
128 \newcommand*\photo}[2] [64pt]{\def\@photowidth{#1}\def\@photo{#2}}
129 \newcommand*\quote}[1]{\def\@quote{#1}}
130 \newlength{\quotewidth}
131 \newlength{\hintscolumnwidth}
132 \newlength{\separatorcolumnwidth}
133 \setlength{\separatorcolumnwidth}{0.025\textwidth}
134 \newlength{\maincolumnwidth}
135 \newlength{\doubleitemmaincolumnwidth}
136 \newlength{\listitemsymbolwidth}
137 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
138 \newlength{\listitemmaincolumnwidth}
139 \newlength{\listdoubleitemmaincolumnwidth}
140 \newcommand*\recomputethemelengths}{
141 \newcommand*\recomputelengths}{%
142 \setlength{\quotewidth}{0.65\textwidth}%
143 \setlength{\maincolumnwidth}{\textwidth}%
144 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
145 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
146 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
147 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
148 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
149 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
150 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
151 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
152 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
153 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
154 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
155 \renewcommand*\headwidth}{\textwidth}%
156 \recomputethemelengths}

```

```

157 \setlength{\hintscolumnwidth}{0.15\textwidth}
158 \recomputelengths
159 \title{}
160 \renewcommand*\maketitle{}
161 \newcommand*\section}[1]{%
162 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
163 \phantomsection}%
164 \addcontentsline{toc}{part}{#1}%
165 \parbox[m]{\hintscolumnwidth}{\raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\rule{0pt}{0pt}}}%
166 \hspace{\separatorcolumnwidth}%
167 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\ \ [1ex]}
168 \newcommand*\subsection}[1]{%
169 \cvline[0.45em]{\subsectionstyle{#1}}}%
170 \newcommand*\cvline}[3][.25em]{%
171 \begin{tabular}{@}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}%
172 \raggedleft\hintfont{#2} &{#3}%
173 \end{tabular}}\ \ [1]}
174 \newcommand*\cvdoubleitem}[4]{%
175 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
176 \hfill%
177 \begin{minipage}[t]{\hintscolumnwidth}\raggedleft\hintfont{#3}\end{minipage}\hspace{\separatorcolumnwidth}%
178 \newcommand*\cvlistitem}[2][\listitemsymbol{}]{%
179 \cvline[Opt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
180 \newcommand*\cvlistdoubleitem}[3][\listitemsymbol{}]{%
181 \cvline[Opt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
182 \hfill%
183 \ifthenelse{\equal{#3}{}}%
184 {}%
185 {#1-\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
186 \newcommand*\cventry}[6]{%
187 \cvline{#1}{%
188 {\bfseries#2}%
189 \ifx#3\else{, \slshape#3}\fi%
190 \ifx#4\else{, #4}\fi%
191 \ifx#5\else{, #5}\fi%
192 .%
193 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
194 }%
195 \newcommand*\cvlanguage}[3]{%
196 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\small#3\end{minipage}}%
197 \newcommand*\cvcomputer}[4]{%
198 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
199 \newcommand*\link}[2][ ]{%
200 \ifthenelse{\equal{#1}{}}%
201 {\href{#2}{#2}}%
202 {\href{#2}{#1}}}%
203 \newcommand*\httplink}[2][ ]{%
204 \ifthenelse{\equal{#1}{}}%
205 {\href{http://#2}{#2}}%
206 {\href{http://#2}{#1}}}%

```

```

207 \newcommand*\emallink}[2] []{%
208   \ifthenelse{\equal{#1}{}}{%
209     {\href{mailto:#2}{#2}}%
210     {\href{mailto:#2}{#1}}}
211 \newif\if@displaypagenumbers\@displaypagenumberstrue
212 \newcommand*\nopagenumbers{\@displaypagenumbersfalse}
213 \AtBeginDocument{%
214   \if@displaypagenumbers%
215     \@ifundefined{r@lastpage}{}{%
216       \ifthenelse{\pageref{lastpage} > 1}{%
217         \fancypagestyle{plain}{%
218           \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref{la
219           \pagestyle{plain}}}%
220         \AtEndDocument{\label{lastpage}}%
221         \fi}
222 \newlength{\bibindent}
223 \setlength{\bibindent}{1.5em}
224 \newcommand*\bibliographyitemlabel{\includegraphics{bibitem.pdf}}
225 \newenvironment{thebibliography}[1]%
226   {%
227     \section{\refname}%
228     \small%
229     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
230     \begin{list}{\bibliographyitemlabel}%
231       {%
232         \setlength{\topsep}{0pt}%
233         \setlength{\labelwidth}{\hintscolumnwidth}%
234         \setlength{\labelsep}{\separatorcolumnwidth}%
235         \leftmargin\labelwidth%
236         \advance\leftmargin\labelsep%
237         \@openbib@code%
238         \usecounter{enumiv}%
239         \let\p@enumiv\@empty%
240         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
241         \sloppy\clubpenalty4000\widowpenalty4000%
242       }%
243     {%
244       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
245       \end{list}%
246     }
247 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
248 \let\@openbib@code\@empty

```

## 7.17 bidipoem.sty

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{bidipoem}%
3 [2010/07/25 Environments for typesetting Persian traditional and modern poems]
4 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5 \def\poemmarginskip{1em plus 1fil minus 1em}

```

```

6 \def\poemextrabaseskip{0\baselineskip}
7 \def\poemskip{\medskip}
8 \def\poemblocksep{\quad$\Box$}
9 \newdimen\versewidth
10 \newtoks\bidipoem@p@ftn
11 \def\poem@verse#1{%
12 \ifdim\wd#1>\new@poem@width
13 \xdef\new@poem@width{\the\wd#1}%
14 \ifdim\new@poem@width>\poem@width
15 \xdef\poem@width{\new@poem@width}%
16 \global\let\poem@needrun\relax
17 \fi
18 \fi
19 \hbox to\poem@width{\unhbox#1}%
20 }
21 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmarginskip\relax}
22 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
23 \def\poem@lineversesep{%
24 \nobreak
25 \hskip\z@ plus 1filll%
26 \penalty600%
27 \hskip\poemcolsepskip
28 \hskip\z@ plus -2filll%
29 \vadjust{}}%
30 \nobreak
31 \hskip\z@ plus 1filll%
32 }
33 \def\poem@lineparsebegin{%
34 \halign\bgroup
35 \global\setbox\verse@i=\hbox{\ignorespaces##\unskip}&&
36 \global\setbox\verse@ii=\hbox{\ignorespaces##\unskip}
37 \cr
38 }
39 \def\poem@lineparseend{%
40 \crcr\egroup
41 \vskip-\baselineskip
42 }
43 \def\oldpoem@cr{%
44 \cr\poem@line
45 }
46 \newbox\verse@i
47 \newbox\verse@ii
48 \newif\ifpoem@started
49
50 \def\poem@line{%
51 \poem@lineparseend
52 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
53 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
54 \ifpoem@started
55 \ifdim\wd\verse@ii>\z@\else

```

```

56 \nopagebreak[3]
57 \fi
58 \leavevmode
59 \poem@linebegin
60 \poem@verse\verse@i
61 \ifdim\wd\verse@ii>\z@
62 \poem@lineversesep
63 \poem@verse\verse@ii
64 \fi
65 \poem@lineend
66 \nopagebreak
67 \endgraf
68 \vskip\poemextrabaselineskip
69 \fi
70 \poem@lineparsebegin
71 }
72 \def\@traditionalpoem{%
73 \stepcounter{poem@no}
74 \ifnum\max@poem@no<\number\c@poem@no%
75 \xdef\poem@width{\z@}%
76 \else
77 \xdef\poem@width{\poem@prop{poem@width}}%
78 \fi
79 \xdef\new@poem@width{\z@}%
80 \global\versewidth=\poem@width
81 \poemskip\leavevmode\par
82 \begingroup
83 \let\@footnotetext\bidipoem@p@ftntext
84 \let\@LTRfootnotetext\bidipoem@p@LTRftntext
85 \let\@RTLfootnotetext\bidipoem@p@RTLftntext
86 \tabskip=\z@
87 \parskip=\z@
88 \parindent=\z@
89 \parfillskip=\z@
90 \rightskip=\z@
91 \leftskip=\z@
92 \widowpenalty=10000% No break between verses of the same line.
93 \clubpenalty=10000% Same as above. Not really needed.
94 \def\newblock{\hfil\poemblocksep\hfil\null}%
95 \def\par{\oldpoem@cr}% Redefine \par for possible \obeylines
96 \def\{\{\global\poem@startedtrue\oldpoem@cr}%
97 \global\poem@startedfalse
98 \csname poem@obeylines\endcsname
99 \let\poem@obeylines\relax
100 \poem@lineparsebegin
101 }
102 \def\@endtraditionalpoem{%
103 \cr
104 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
105 \noalign{%

```

```

106 \skip0=\poemextrabaseskip
107 \vskip-\skip0
108 \vskip-\baseskip
109 }%
110 \fi\fi
111 \poem@lineparseend
112 \endgroup
113     \the\bidipoem@p@ftn
114     \global\bidipoem@p@ftn{}%
115 \par
116 \vskip\baseskip
117 \poemskip
118 \ifdim\new@poem@width<\poem@width
119 \global\let\poem@needrun\relax
120 \fi
121     \poem@write@aux{poem@width@romannumeral\c@poem@no}{\new@poem@width}%
122 \ifx\AtEndDocument\undefined\poem@finish\fi
123 }
124 \long\def\bidipoem@p@ftntext#1{%
125     \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\c@footnote]}}%
126     \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
127 \long\def\bidipoem@p@LTRftntext#1{%
128     \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
129     \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
130 \long\def\bidipoem@p@RTLftntext#1{%
131     \edef\@temp{xii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
132     \global\bidipoem@p@ftn\expandafter{\@temp{xii{#1}}}%
133 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
134 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\obeylines\traditionalpoem}
135 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
136 \def\poem@finish{%
137 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
138 \ifx\poem@needrun\relax
139 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
140 \global\let\poem@needrun\undefined
141 \fi
142 }
143 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
144 \newcounter{poem@no}\setcounter{poem@no}{\z@}
145 \ifx\max@poem@no\undefined
146     \def\max@poem@no{0}%
147 \fi
148 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral\c@poem@no}}
149 \newcommand{\poem@write@aux}[2]{%
150     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
151     \@x
152 }
153 \def\@modernpoem{%
154 \par
155 \begingroup

```



```

156     \let\@footnotetext\bidipoem@p@ftntext
157     \let\@LTRfootnotetext\bidipoem@p@LTRftntext
158     \let\@RTLfootnotetext\bidipoem@p@RTLftntext
159 \parskip=\z@
160 \parindent=\z@
161 \def\{[\@settab\@tabplus\ignorespaces}%
162 \def\}\{\@tabminus\ignorespaces}%
163 \def\newblock{\poemblocksep}%
164 \let\newpoem@tabcr\@tabcr
165 \def\par{% Redefine \par for possible \obeylines
166   \ifpoem@started\else
167     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
168       \@stopfield
169     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
170     \@contfield
171   \fi
172 \fi
173 \ifpoem@started\newpoem@tabcr\fi}%
174 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
175 \global\poem@startedfalse
176 \csname poem@obeylines\endcsname
177 \let\poem@obeylines\relax
178 \begin{tabbing}%
179 }
180 \def\@endmodernpoem{%
181 \global\poem@startedfalse
182 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
183   \@stopfield
184   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
185   \@contfield
186 \fi
187 \ifpoem@started\else\let\@stoptline\@stopfield\fi
188 \end{tabbing}%
189 \endgroup
190     \the\bidipoem@p@ftn
191     \global\bidipoem@p@ftn{}}%
192 \par
193 }
194 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
195 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\obeylines\modernpoem}
196 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}

```

## 7.18 bidipresentation.cls

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesClass{bidipresentation}
3 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
4 \ProcessOptions\relax
5 \LoadClass{article}
6

```

```

7 \RequirePackage[foot=10.2pt,head=0pt,paperwidth=128mm,paperheight=96mm,left=5mm,top=5mm,right=7mm]
8
9 \RequirePackage{fancyhdr}
10 \renewcommand{\headrulewidth}{0mm}
11
12 \renewcommand{\maketitle}{%
13   {\ClassError{bidipresentation}{Caution: ``maketitle'' command not supported}%
14     {Please use ``titlepage'' environment instead}%
15 }
16
17 \fancypagestyle{pres}{%
18 \fancyhf{}%
19 \fancyfoot[RO,LE]{\footnotesize \thepage}%
20 }
21
22 \pagestyle{pres}
23
24 \newcommand{\distance}[1]{\vspace*{\stretch{#1}}}
25 \newcommand{\abstand}[1]{\vspace*{\stretch{#1}}}
26
27 \setlength{\parskip}{0.6ex}
28 \setlength{\parindent}{0mm}
29
30 \newenvironment{plainslide}[1][ ]%
31   {\raggedleft \large\bfseries #1\par}\par\vspace*{\stretch{1}}}%
32   {\par\vspace*{\stretch{1}}\newpage}
33
34 \newenvironment{rawslide}{}\{\newpage}%
35
36 \def\itemize{%
37   \ifnum \@itemdepth >\thr@@\toodeep\else
38     \advance\@itemdepth\@ne
39     \edef\@itemitem{labelitem\romannumeral\the\@itemdepth}%
40     \expandafter
41     \list
42       \csname\@itemitem\endcsname
43     {\def\makelabel##1{\hss\llap{##1}}}%
44   \fi
45   \setlength{\itemsep}{0ex}%
46   \setlength{\parskip}{0.1ex}%
47   \setlength{\parsep}{0ex}%
48   }%
49 \let\enditemize =\endlist
50
51 \def\enumerate{%
52   \ifnum \@enumdepth >\thr@@\toodeep\else
53     \advance\@enumdepth\@ne
54     \edef\@enumctr{enum\romannumeral\the\@enumdepth}%
55     \expandafter
56     \list

```

```

57     \csname label\@enumctr\endcsname
58     {\usecounter\@enumctr\def\makelabel##1{\hss\llap{##1}}}%
59 \fi
60   \setlength{\itemsep}{0ex}%
61   \setlength{\parskip}{0.1ex}%
62   \setlength{\parsep}{0ex}%
63   }%
64 \let\endenumerate =\endlist
65
66 \renewenvironment{description}
67     {\list{}{\labelwidth\z@ \itemindent-\leftmargin
68             \let\makelabel\descriptionlabel}
69 \setlength{\itemsep}{0ex}%
70   \setlength{\parskip}{0.1ex}%
71   \setlength{\parsep}{0ex}}
72     {\endlist}

```

## 7.19 boek3-xetex-bidi.def

```

1 \ProvidesFile{boek3-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for boek3 class for XeTeX engine]
2 \renewcommand*\head@style{%
3   \interlinepenalty \@M
4   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6 \renewcommand*\@regtocoline[3]{%
7   \ifnum #1>\c@tocdepth
8   \else
9     \vskip\z@\@plus.2\p@
10    {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
11     \if@RTL\rightskip\else\leftskip\fi\unitindent
12     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
13     \parfillskip\z@
14     \@tempdima\unitindent
15     \parindent\z@
16     \leavevmode
17     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
18     \hskip 1em \nobreak{\slshape #3}\par
19   }%
20 \fi}
21 \if@oldtoc
22 \renewcommand*\l@part[2]{%
23   \ifnum \c@tocdepth >-2\relax
24     \addpenalty{-\@highpenalty}%
25     \addvspace{2.25em \@plus\p@}%
26     \begingroup
27     \setlength\@tempdima{3em}%
28     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
29     \parfillskip -\@pnumwidth
30     {\leavevmode
31       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par

```

```

32     \nobreak
33     \global\@nobreaktrue
34     \everypar{\global\@nobreakfalse\everypar{}}%
35 \endgroup
36 \fi}
37 \else
38 \renewcommand*\l@part{%
39 \ifnum \c@tocdepth >-2\relax
40 \addpenalty{-\@highpenalty}%
41 \advspace{2.25em \@plus \p@}%
42 \regtocline{0}%
43 \fi}
44 \fi
45 \if@oldtoc
46 \renewcommand*\l@chapter[2]{%
47 \addpenalty{-\@highpenalty}%
48 \vskip 1.0em \@plus \p@
49 \setlength\@tempdima{1.5em}%
50 \begingroup
51 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
52 \parfillskip -\@pnumwidth
53 \leavevmode \bfseries
54 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
55 \hskip -\if@RTL\rightskip\else\leftskip\fi
56 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
57 \penalty\@highpenalty
58 \endgroup}
59 \else
60 \renewcommand*\l@chapter{\@regtocline{0}}
61 \fi
62 \renewenvironment{abstract}{%
63 \titlepage
64 \null\vfil
65 \section*{\SectFont \abstractname}
66 \noindent\ignorespaces
67 {\par\vfil\null\endtitlepage}
68 \renewenvironment{thebibliography}[1]
69 {\chapter*\bibname}%
70 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
71 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
72 \list{\@biblabel{\@arabic\c@enumiv}}%
73 {\settowidth\labelwidth{\@biblabel{#1}}%
74 \leftmargin\labelwidth
75 \advance\leftmargin\labelsep
76 \@openbib@code
77 \usecounter{enumiv}%
78 \let\p@enumiv\@empty
79 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
80 \sloppy\clubpenalty4000\widowpenalty4000%
81 \sfcode`. \m}

```

```

82     {\def\@noitemerr
83       {\@latex@warning{Empty `thebibliography' environment}}%
84       \endlist}
85 \renewcommand*\left@footnote{%
86   \kern-3\p@
87   \kern.5\baselineskip
88   \hrule\@width\unitindent
89   \kern.4\baselineskip
90 }
91 \renewcommand*\right@footnote{%
92   \hbox to \columnwidth
93   {\beginR \vbox{%
94     \kern-3\p@
95     \kern.5\baselineskip
96     \hrule\@width\unitindent
97     \kern.4\baselineskip}\hfil\endR}
98 }
99 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
100 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
101 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
102 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
103 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
104 \renewcommand*\theequation{%
105   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
106 \renewcommand*\thefigure{%
107   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
108 \renewcommand*\thetable{%
109   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
110 \renewcommand*\maketitle{%
111   \begin{titlepage}%
112     \let\footnotesize\small
113     \let\right@footnote\relax
114     \let\left@footnote\relax
115     \let\textwidth@footnote\relax
116     \let \footnote \thanks
117     \long\def\@makefnmark#1{\parindent\z@
118       \def\labelitemi{\textendash}\@revlabeltrue
119       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax #1}
120 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
121 \if@compatibility\setcounter{page}{0}\fi
122 \null\vfil
123 \vskip 60\p@
124 \begin{center}%
125   \TitleFont
126   {\LARGE \def\\{\penalty -\@M}
127     \if@allcaps
128       \expandafter\uc@nothanks\@title\thanks\relax
129     \else
130       \@title
131     \fi\par}%

```

```

132     \vskip 3em%
133     {\large
134     \lineskip .75em \parindent\z@
135     \begin{tabular}[t]{c}%
136     \if@allcaps
137     \expandafter\uc@authornothanks\@author\and\relax
138     \else
139     \@author
140     \fi
141     \end{tabular}\par}%
142     \vskip 1.5em%
143     {\large
144     \if@allcaps
145     \uppercase\expandafter{\@date}%
146     \else
147     \@date
148     \fi\par}%
149     \end{center}\par
150     \@thanks
151     \vfil\null
152 \end{titlepage}%
153 \setcounter{footnote}{0}%
154 \global\let\thanks\relax
155 \global\let\maketitle\relax
156 \global\let\@thanks\@empty
157 \global\let\@author\@empty
158 \global\let\@title\@empty
159 \global\let\@date\@empty
160 \global\let\title\relax
161 \global\let\author\relax
162 \global\let\date\relax
163 \global\let\and\relax
164 }

```

## 7.20 boek-xetex-bidi.def

```

1 \ProvidesFile{boek-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for boek class for XeTeX engine]
2 \renewcommand*{\head@style}{%
3     \interlinepenalty \@M
4     \hyphenpenalty=\@M \exhyphenpenalty=\@M
5     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6 \renewcommand*{\regtocline[3]}{%
7     \ifnum #1>\c@tocdepth
8     \else
9         \vskip\z@\@plus.2\p@
10        {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
11        \if@RTL\rightskip\else\leftskip\fi\unitindent
12        \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
13        \parfillskip\z@
14        \@tempdima\unitindent

```

```

15     \parindent\z@
16     \leavevmode
17     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
18     \hskip 1em \nobreak{\slshape #3}\par
19     }%
20 \fi}
21 \if@oldtoc
22 \renewcommand*\l@part[2]{%
23   \ifnum \c@tocdepth >-2\relax
24     \addpenalty{-\@highpenalty}%
25     \addvspace{2.25em \@plus\p@}%
26     \begingroup
27       \setlength\@tempdima{3em}%
28       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
29       \parfillskip -\@pnumwidth
30       {\leavevmode
31         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
32         \nobreak
33         \global\@nobreaktrue
34         \everypar{\global\@nobreakfalse\everypar{}}%
35       \endgroup
36     \fi}
37 \else
38   \renewcommand*\l@part{%
39     \ifnum \c@tocdepth >-2\relax
40       \addpenalty{-\@highpenalty}%
41       \addvspace{2.25em \@plus\p@}%
42       \@regtocline{0}%
43     \fi}
44 \fi
45 \if@oldtoc
46 \renewcommand*\l@chapter[2]{%
47   \addpenalty{-\@highpenalty}%
48   \vskip 1.0em \@plus\p@
49   \setlength\@tempdima{1.5em}%
50   \begingroup
51   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
52   \parfillskip -\@pnumwidth
53   \leavevmode \bfseries
54   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
55   \hskip -\if@RTL\rightskip\else\leftskip\fi
56   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
57   \penalty\@highpenalty
58   \endgroup}
59 \else
60 \renewcommand*\l@chapter{\@regtocline{0}}
61 \fi
62 \renewcommand*\left@footnote{%
63   \kern-3\p@
64   \kern.5\baselineskip

```

```

65 \hrule\@width\unitindent
66 \kern.4\baselineskip
67 }
68 \renewcommand*\right@footnote{%
69 \hbox to \columnwidth
70 {\beginR \vbox{%
71 \kern-3\p@
72 \kern.5\baselineskip
73 \hrule\@width\unitindent
74 \kern.4\baselineskip}\hfil\endR}
75 }
76 \renewenvironment{abstract}{%
77 \titlepage
78 \null\vfil
79 \section*\SectFont \abstractname}
80 \noindent\ignorespaces}
81 {\par\vfil\null\endtitlepage}
82 \renewenvironment{thebibliography}[1]
83 {\chapter*\bibname}%
84 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
85 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
86 \list{\@biblabel{\@arabic\c@enumiv}}%
87 {\settowidth\labelwidth{\@biblabel{#1}}%
88 \leftmargin\labelwidth
89 \advance\leftmargin\labelsep
90 \@openbib@code
91 \usecounter{enumiv}%
92 \let\p@enumiv\@empty
93 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
94 \sloppy\clubpenalty4000\widowpenalty4000%
95 \sfcode`. \m}
96 {\def\@noitemerr
97 {\@latex@warning{Empty `thebibliography' environment}}%
98 \endlist}
99 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
100 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
101 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
102 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
103 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
104 \renewcommand*\theequation{%
105 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
106 \renewcommand*\thefigure{%
107 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
108 \renewcommand*\thetable{%
109 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
110 \renewcommand*\maketitle{%
111 \begin{titlepage}%
112 \let\footnotesize\small
113 \let\right@footnote\relax
114 \let\left@footnote\relax

```



```

115 \let\textwidth@footnote\relax
116 \let \footnote \thanks
117 \long\def\@makefntext##1{\parindent\z@
118     \def\labelitemi{\textendash}\@revlabeltrue
119     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
120 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
121 \if@compatibility\setcounter{page}{0}\fi
122 \null\vfil
123 \vskip 60\p@
124 \begin{center}%
125     \TitleFont
126     {\LARGE \def\{\penalty -\@M}
127     \if@allcaps
128         \expandafter\uc@nothanks\@title\thanks\relax
129     \else
130         \@title
131     \fi\par}%
132 \vskip 3em%
133 {\large
134     \lineskip .75em \parindent\z@
135     \begin{tabular}[t]{c}%
136         \if@allcaps
137             \expandafter\uc@authornothanks\@author\and\relax
138         \else
139             \@author
140         \fi
141     \end{tabular}\par}%
142 \vskip 1.5em%
143 {\large
144     \if@allcaps
145         \uppercase\expandafter{\@date}%
146     \else
147         \@date
148     \fi\par}%
149 \end{center}\par
150 \@thanks
151 \vfil\null
152 \end{titlepage}%
153 \setcounter{footnote}{0}%
154 \global\let\thanks\relax
155 \global\let\maketitle\relax
156 \global\let\@thanks\@empty
157 \global\let\@author\@empty
158 \global\let\@title\@empty
159 \global\let\@date\@empty
160 \global\let\title\relax
161 \global\let\author\relax
162 \global\let\date\relax
163 \global\let\and\relax
164 }

```

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

```
1 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeTeX]
2 \def\@makechapterhead#1{%
3   \vspace*{20\p@}
4   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5     \ifnum \c@secnumdepth >\m@ne
6       \if@mainmatter
7         {\colorA\huge\scshape \@chapapp\space \thechapter}
8         \par\nobreak
9         \vskip 10\p@
10        \fi
11       \fi
12       \interlinepenalty\@M
13       {\colorB\hrule}
14       \vskip 15\p@
15       \if@RTL\begin{flushleft}\else\begin{flushright}\fi
16         {\colorA\Huge \bfseries #1}\par\nobreak
17       \if@RTL\end{flushleft}\else\end{flushright}\fi
18       \vskip 5\p@
19       {\colorB\hrule}
20       \vskip 30\p@
21     }}
22 \def\@makeschapterhead#1{%
23   \vspace*{20\p@}
24   {\parindent \z@ \raggedright \normalfont
25     {\colorB\hrule}
26     \vskip 15\p@
27     \begin{center}
28       {\colorA\Huge \bfseries #1}\par\nobreak
29     \end{center}
30     \vskip 5\p@
31     {\colorB\hrule}
32     \vskip 30\p@
33   }}
```

## 7.22 **book-xetex-bidi.def**

```
1 \ProvidesFile{book-xetex-bidi.def}[2010/07/25 v0.7 bidi adaptations for standard book class for XeTeX]
2 \@ifclassloaded{bookest}{}{%
3   \if@titlepage
4     \renewcommand\maketitle{\begin{titlepage}%
5       \let\footnotesize\small
6       \let\right@footnote\relax
7       \let\left@footnote\relax
8       \let\textwidth@footnote\relax
9       \let \footnote \thanks
10      \let \LTRfootnote \LTRthanks
11      \let \RTLfootnote \RTLthanks
12      \null\vfil
13      \vskip 60\p@
```

```

14 \begin{center}%
15   {\LARGE \@title \par}%
16   \vskip 3em%
17   {\large
18     \lineskip .75em%
19     \begin{tabular}[t]{c}%
20       \@author
21     \end{tabular}\par}%
22   \vskip 1.5em%
23   {\large \@date \par}%      % Set date in \large size.
24 \end{center}\par
25 \@thanks
26 \vfil\null
27 \end{titlepage}%
28 \setcounter{footnote}{0}%
29 \global\let\thanks\relax
30 \global\let\LTRthanks\relax
31 \global\let\RTLthanks\relax
32 \global\let\maketitle\relax
33 \global\let\@thanks\@empty
34 \global\let\@author\@empty
35 \global\let\@date\@empty
36 \global\let\@title\@empty
37 \global\let\title\relax
38 \global\let\author\relax
39 \global\let\date\relax
40 \global\let\and\relax
41 }
42 \else
43 \renewcommand\maketitle{\par
44   \begingroup
45     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
46     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
47     \long\def\@makefntext##1{\parindent 1em\noindent
48       \hb@xt@1.8em{%
49         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
50     \if@twocolumn
51       \ifnum \col@number=\@one
52         \@maketitle
53       \else
54         \twocolumn[\@maketitle]%
55       \fi
56     \else
57       \newpage
58       \global\@topnum\z@   % Prevents figures from going at top of page.
59       \@maketitle
60     \fi
61     \thispagestyle{plain}\@thanks
62   \endgroup
63   \setcounter{footnote}{0}%

```

```

64 \global\let\thanks\relax
65 \global\let\LTRthanks\relax
66 \global\let\RTLthanks\relax
67 \global\let\maketitle\relax
68 \global\let\@maketitle\relax
69 \global\let\@thanks\@empty
70 \global\let\@author\@empty
71 \global\let\@date\@empty
72 \global\let\@title\@empty
73 \global\let\title\relax
74 \global\let\author\relax
75 \global\let\date\relax
76 \global\let\and\relax
77 }
78 \def\@maketitle{%
79 \newpage
80 \null
81 \vskip 2em%
82 \begin{center}%
83 \let \footnote \thanks
84 \let \LTRfootnote \LTRthanks
85 \let \RTLfootnote \RTLthanks
86 {\LARGE \@title \par}%
87 \vskip 1.5em%
88 {\large
89 \lineskip .5em%
90 \begin{tabular}[t]{c}%
91 \@author
92 \end{tabular}\par}%
93 \vskip 1em%
94 {\large \@date}%
95 \end{center}%
96 \par
97 \vskip 1.5em}
98 \fi}
99 \renewcommand*\l@part[2]{%
100 \ifnum \c@tocdepth >-2\relax
101 \addpenalty{-\@highpenalty}%
102 \addvspace{2.25em \@plus\p@}%
103 \setlength\@tempdima{3em}%
104 \begingroup
105 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
106 \parfillskip -\@pnumwidth
107 {\leavevmode
108 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
109 \nobreak
110 \global\@nobreaktrue
111 \everypar{\global\@nobreakfalse\everypar{}}%
112 \endgroup
113 \fi}

```

```

114 \renewcommand* \l@chapter [2]{%
115   \ifnum \c@tocdepth >\m@ne
116     \addpenalty{-\@highpenalty}%
117     \vskip 1.0em \@plus\p@
118     \setlength\@tempdima{1.5em}%
119     \begingroup
120       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
121       \parfillskip -\@pnumwidth
122       \leavevmode \bfseries
123       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
124       \hskip -\if@RTL\rightskip\else\leftskip\fi
125       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
126       \penalty\@highpenalty
127     \endgroup
128   \fi}
129 \renewcommand \left@footnote{%
130   \kern-3\p@
131   \hrule\@width.4\columnwidth
132   \kern2.6\p@}
133 \renewcommand \right@footnote{%
134   \hbox to \columnwidth
135   {\beginR \vbox{%
136     \kern-3\p@
137     \hrule\@width.4\columnwidth
138     \kern2.6\p@}\hfil\endR}}
139 \renewcommand \theequation
140   {\ifnum \c@chapter >\z@ \thechapter \@SepMark\fi \@arabic\c@equation}
141 \renewcommand \thefigure
142   {\ifnum \c@chapter >\z@ \thechapter \@SepMark\fi \@arabic\c@figure}
143 \renewcommand \thetable
144   {\ifnum \c@chapter >\z@ \thechapter \@SepMark\fi \@arabic\c@table}
145 \renewcommand \thechapter {\@arabic\c@chapter}
146 \renewcommand \thesection {\thechapter \@SepMark \@arabic\c@section}
147 \renewcommand \thesubsection {\thesection \@SepMark \@arabic\c@subsection}
148 \renewcommand \thesubsubsection {\thesubsection \@SepMark \@arabic\c@subsubsection}
149 \renewcommand \theparagraph {\thesubsubsection \@SepMark \@arabic\c@paragraph}
150 \renewcommand \thesubparagraph {\theparagraph \@SepMark \@arabic\c@subparagraph}
151 \def \makechapterhead #1{%
152   \vspace*{50\p@}%
153   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
154     \ifnum \c@secnumdepth >\m@ne
155       \if@mainmatter
156         \huge\bfseries \@chapapp\space \thechapter
157         \par\nobreak
158         \vskip 20\p@
159       \fi
160     \fi
161     \interlinepenalty\@M
162     \Huge \bfseries #1\par\nobreak
163     \vskip 40\p@}

```

```

164 }}
165 \def\@makeschapterhead#1{%
166   \vspace*{50\p@}%
167   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
168     \normalfont
169     \interlinepenalty\@M
170     \Huge \bfseries #1\par\nobreak
171     \vskip 40\p@
172   }}
173 \renewcommand\backmatter{%
174   \if@openright
175     \cleardoublepage
176   \else
177     \clearpage
178   \fi
179   \@mainmatterfalse}
180 \renewenvironment{thebibliography}[1]
181   {\chapter*{\bibname}%
182     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
183     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
184     \list{\@biblabel{\@arabic\c@enumiv}}%
185       {\settowidth\labelwidth{\@biblabel{#1}}%
186         \leftmargin\labelwidth
187         \advance\leftmargin\labelsep
188         \@openbib@code
189         \usecounter{enumiv}%
190         \let\p@enumiv\@empty
191         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
192     \sloppy
193     \clubpenalty4000
194     \@clubpenalty \clubpenalty
195     \widowpenalty4000%
196     \sfcode`. \@m}
197   {\def\@noitemerr
198     {\@latex@warning{Empty `thebibliography' environment}}%
199     \endlist}

```

## 7.23 breqn-xetex-bidi.def

```

1 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX eng
2 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
3   \everydisplay\expandafter{\the\everydisplay \display@setup}%
4   \if@noskipsec \leavevmode \fi
5   \if@inlabel \leavevmode \global\@inlabelfalse \fi
6   \if\eq@group\else\eq@prelim\fi
7   \setkeys{breqn}{#1}%
8   \the\eqstyle
9   \eq@setnumber
10  \begingroup
11  \eq@setup@a

```

```

12 \eq@startup
13 }
14 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
15 \let\eq@group\@True \global\let\eq@GRP@first\@dmath\@True
16 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
17 \global\let\GRP@label\@empty
18 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
19 \global\grp@linewidth\z@\global\grp@wdNum\z@
20 \global\let\grp@eqs@numbered\@False
21 \global\let\grp@aligned\@True
22 \global\let\grp@shiftnumber\@False
23 \eq@prelim
24 \setkeys{breqn}{#1}%
25 \if\grp@hasNumber \grp@setnumber \fi
26 }
27 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
28 \let\display@setup\dseries@display@setup
29 % Question: should this be the default for dseries???
30 \global\eq@wdCond\z@
31 \@dmath[layout={M},#1]%
32 \mathsurround\z@\@math \penalty\@Mi
33 \let\endmath\ends@math
34 \def\premath{%
35 \ifdim\lastskip<.3em \unskip
36 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
37 }%
38 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
39 \ignorespaces
40 }
41 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
42 \renewenvironment{dsuspend}{%
43 \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \parboxrestore
44 \parshape 1 \displayindent \displaywidth\relax
45 \hsize=\columnwidth \noindent\ignorespaces
46 }{%
47 \par\egroup
48 \global\setbox\GRP@box\vbox{%
49 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
50 \unvbox\GRP@box
51 }%
52 \global\GRP@queue\@xp{\the\GRP@queue
53 \elt{\let\eq@isIntertext\@True}%
54 }%
55 }

```

## 7.24 caption-xetex-bidi.def

```

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

```

## 7.25 colortbl-xetex-bidi.def

```
1 \ProvidesFile{colortbl-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for colortbl package for Xe
2 \def\CT@setup{%
3   \@tempdimb\col@sep
4   \@tempdimc\col@sep
5   \def\CT@color{%
6     \global\let\CT@do@color\CT@@do@color
7     \bidicolor}}
8 \def\@classz{\@classx
9   \@tempcnta \count@
10  \prepnext@tok
11 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
12   \@addtopreamble{\ifRTL\beginL\fi%
13   \setbox\z@\hbox\bgroup\bgroup\ifRTL\beginR\fi
14     \ifcase \@chnum
15     \hskip\stretch{.5}\kern\z@
16     \d@llarbegin
17     \insert@column
18     \d@llarend\hskip\stretch{.5}\or
19     \d@llarbegin \insert@column \d@llarend \hfill \or
20     \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
21   $\vcenter
22   \@startpbox{\@nextchar}\insert@column \@endpbox $\or
23   \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
24   \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
25   \fi
26   \ifRTL\endR\fi\egroup\egroup
27 \begingroup
28   \CT@setup
29   \CT@column@color
30   \CT@row@color
31   \CT@cell@color
32   \CT@do@color
33 \endgroup
34   \@tempdima\ht\z@
35   \advance\@tempdima\minrowclearance
36   \vrule\@height\@tempdima\@width\z@
37   \unhbox\z@\ifRTL\endL\fi}%
38 \prepnext@tok}
```

## 7.26 color-xetex-bidi.def

```
1 \ProvidesFile{color-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for color package for XeTeX eng
2 \long\def\color@b@x#1#2#3{%
3   \leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
4   \setbox\z@\hbox{\kern\fbboxsep\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
5   \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6   \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
7   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
8     \box\z@}}\ifmmode\else\ifRTL\endL\fi\fi}
```



```

9 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set
10 \DeclareRobustCommand\color{%
11 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
12 \def\@declaredcolor#1{%
13 \ifundefined{\string\color @#1}%
14 {\c@lor@error{`#1'}}%
15 {\expandafter\let\expandafter\current@color
16 \csname\string\color @#1\endcsname
17 \set@color}%
18 \ignorespaces\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi}
19 \def\@undeclaredcolor[#1]#2{%
20 \ifundefined{color@#1}%
21 {\c@lor@error{model `#1'}}%
22 {\csname color@#1\endcsname\current@color{#2}}%
23 \set@color}%
24 \ignorespaces\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi}
25 \DeclareRobustCommand\bidicolor{%
26 \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
27 \def\@bidiundeclaredcolor[#1]#2{%
28 \ifundefined{color@#1}%
29 {\c@lor@error{model `#1'}}%
30 {\csname color@#1\endcsname\current@color{#2}}%
31 \set@color}%
32 \ignorespaces}
33 \def\@bidideclaredcolor#1{%
34 \ifundefined{\string\color @#1}%
35 {\c@lor@error{`#1'}}%
36 {\expandafter\let\expandafter\current@color
37 \csname\string\color @#1\endcsname
38 \set@color}%
39 \ignorespaces}
40 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
41 \def\color@fbox#1#2#3{%
42 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
43 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode\if

```

## 7.27 cvthemebidicasual.sty

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{cvthemebidicasual}
3 \DeclareOption{blue}{}
4 \newif\if@colourorange\@colourorangefalse
5 \DeclareOption{orange}{\@colourorange>true}
6 \newif\if@colourgreen\@colourgreenfalse
7 \DeclareOption{green}{\@colourgreentruer}
8 \newif\if@colourred\@colourredfalse
9 \DeclareOption{red}{\@colourredtrue}
10 \newif\if@colourgrey\@colourgreyfalse
11 \DeclareOption{grey}{\@colourgreytrue}
12 \DeclareOption*{

```

```

13 \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
14 \ExecuteOptions{colour}
15 \ProcessOptions\relax
16 \renewcommand*{\listitemsymbol}{\textbullet}
17 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
18 \familynamecolour{808080}
19 \firstnamecolour{A9A9A9}
20 \quotecolour{696969}
21 \addresscolour{696969}
22 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
23 \sectiontitlecolour{1E90FF}
24 \subsectioncolour{4682B4}
25 \definecolor{rulecolour}{gray}{0.6}
26 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
27 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
28 \if@colourorange
29 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
30 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
31 \sectiontitlecolour{FF8C00}
32 \subsectioncolour{FF8C00}
33 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
34 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
35 \if@colourgreen
36 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
37 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
38 \sectiontitlecolour{008000}
39 \subsectioncolour{008000}
40 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
41 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
42 \if@coloured
43 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
44 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
45 \sectiontitlecolour{FF0000}
46 \subsectioncolour{FF0000}
47 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
48 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
49 \if@colourgrey
50 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
51 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
52 \sectiontitlecolour{808080}
53 \subsectioncolour{808080}
54 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
55 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
56 \renewcommand*{\ttdefault}{pcr}
57 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
58 \renewcommand*{\familynamefont}{\firstnamefont}
59 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
60 \renewcommand*{\quotefont}{\large\slshape}
61 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
62 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}

```

```

63 \renewcommand*{\maketitle}{%
64   {\beginL%
65     \ifthenelse{\isundefined{\@photo}}{%
66       {}%
67       {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
68       \hfill%
69       \raggedleft{\if@RTL\beginR\fi\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}\if@RTL
70       {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
71       \ifthenelse{\isundefined{\@quote}}{%
72         {}%
73         {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em
74       ]}%
75 \newif\if@firstfooterelement\@firstfooterelementtrue
76 \providecommand*{\footersymbol}{-}
77 \renewcommand*{\footersymbol}{%
78   \if@firstfooterelement%
79   \else%
80     { ~-\color{footersymbolcolor}\textbullet~~}\fi}
81 \providecommand*{\makefooter}{-}
82 \renewcommand*{\makefooter}{%
83   \fancypagestyle{plain}{%
84     \fancyfoot[c]{%
85       \parbox{0.8\textwidth}{%
86         \centering%
87         \addressfont\@addresscolour%
88         \ifthenelse{\isundefined{\@address}}{-}{%
89           \if@RTLmain\beginR\fi\addresssymbol~\@address\if@RTLmain\endR\fi\\%
90           \@firstfooterelementfalse}%
91         \if@RTLmain\beginR\fi\ifthenelse{\isundefined{\@mobile}}{-}{\if@RTLmain\beginR\fi\mobilesymbol
92         \ifthenelse{\isundefined{\@phone}}{-}{\footersymbol\if@RTLmain\beginR\fi\phonesymbol~\@phone\
93         \ifthenelse{\isundefined{\@fax}}{-}{\footersymbol\if@RTLmain\beginR\fi\faxsymbol~\@fax\if@RTL
94         \ifthenelse{\isundefined{\@email}}{-}{\footersymbol\if@RTLmain\beginR\fi\emailsymbol~\emaillin
95         \ifthenelse{\isundefined{\@extrainfo}}{-}{\if@RTLmain\beginR\fi\footersymbol\@extrainfo\if@RTL
96       }%
97     \pagestyle{plain}}
98 \AtBeginDocument{\makefooter}

```

## 7.28 cvthemebidiclassic.sty

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{cvthemebidiclassic}
3 \DeclareOption{blue}{-}
4 \newif\if@colouorange\@colouorangefalse
5 \DeclareOption{orange}{\@colouorange>true}
6 \newif\if@colougreen\@colougreenfalse
7 \DeclareOption{green}{\@colougreentru}
8 \newif\if@coloured\@colouredfalse
9 \DeclareOption{red}{\@colouredtrue}
10 \newif\if@colougrey\@colougreyfalse
11 \DeclareOption{grey}{\@colougreytrue}

```

```

12 \DeclareOption*{
13   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
14 \ExecuteOptions{colour}
15 \ProcessOptions\relax
16 \renewcommand*{\listitemsymbol}{\textbullet}
17 \firstnamecolour{}
18 \familynamecolour{}
19 \titlecolour{808080}
20 \quotecolour{696969}
21 \addresscolour{696969}
22 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
23 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
24 \sectiontitlecolour{1E90FF}
25 \subsectioncolour{4682B4}
26 \if@colourorange
27   \addresscolour{FF8C00}
28   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
29   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
30   \sectiontitlecolour{FF8C00}
31   \subsectioncolour{FF8C00}\fi
32 \if@colourgreen
33   \addresscolour{008000}
34   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
35   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
36   \sectiontitlecolour{008000}
37   \subsectioncolour{008000}\fi
38 \if@colourred
39   \addresscolour{FF0000}
40   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
41   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
42   \sectiontitlecolour{FF0000}
43   \subsectioncolour{FF0000}\fi
44 \if@colourgrey
45   \addresscolour{808080}
46   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
47   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
48   \sectiontitlecolour{808080}
49   \subsectioncolour{808080}\fi
50 \renewcommand*{\ttdefault}{pcr}
51 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
52 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
53 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
54 \renewcommand*{\familynamefont}{\firstnamefont}
55 \renewcommand*{\quotefont}{\large\slshape}
56 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
57 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
58 \newlength{\maketitlemaxwidth}
59 \setlength{\maketitlemaxwidth}{.525\textwidth}
60 \newlength{\maketitlefullwidth}
61 \setotwidth{\maketitlefullwidth}{\firstnamestyle{\@firstname-}\familynamestyle{\@familyname}}

```

```

62 \newlength{\maketitlewidth}
63 \ifnum\maketitlewidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}
64 \newlength{\maketitlepicturewidth}
65 \setlength{\maketitlepicturewidth}{\@photowidth}
66 \newlength{\maketitledetailwidth}
67 \renewcommand*\recomputethemelengths{%
68   \setlength{\maketitledetailwidth}{\textwidth}%
69   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
70   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
71   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
72 \recomputethemelengths
73 \newif\if@firstdetailselement\@firstdetailselementtrue
74 \newcommand*\maketitledetailsnewline{%
75   \if@firstdetailselement%
76     \@firstdetailselementfalse%
77   \else%
78     \[.2em]\fi}
79 \renewcommand*\maketitle{%
80   % name and title
81   \begin{minipage}[b]{\maketitlewidth}%
82     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
83     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
84   \end{minipage}%
85   % optional data
86   \begin{minipage}[b]{\maketitledetailwidth}%
87     \raggedleft\addressfont\@addresscolour%
88     \ifthenelse{\isundefined{\@address}}{\}%
89     \maketitledetailsnewline%
90     \addresssymbol~\@address}%
91   \ifthenelse{\isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
92   \ifthenelse{\isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
93   \ifthenelse{\isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
94   \ifthenelse{\isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emailink{\@email}}%
95   \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
96   \end{minipage}%
97   % optional photo
98   \ifthenelse{\isundefined{\@photo}}%
99     {}%
100   {\hspace*\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlewidth]{\@photo}}%
101   % optional quote
102   \ifthenelse{\isundefined{\@quote}}%
103     {}%
104   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]}
105 }

```

## 7.29 dblfnote-xetex-bidi.def

```

1 \ProvidesFile{dblfnote-xetex-bidi.def}[2011/03/01 v0.1 bidi adaptations for dblfnote package for Xe
2 \def\right@footnote{%
3   \hbox to \DFNcolumnwidth

```

```

4   {\beginR \vbox{\kern -3\p@
5     \hrule width .4\columnwidth \kern2.6\p@}\hfil\endR}}
6 \def\@iiminipage#1#2[#3]#4{%
7   \leavevmode
8   \@pboxswfalse
9   \setlength\@tempdima{#4}%
10  \def\@mpargs{#{1}#{2}#{3}#{4}}%
11  \setbox\@tempboxa\vbox\bgroup\hbox\bgroup\if@RTL\beginL\fi\if #1t\top\else\vbox\fi\bgroup
12    \color@begingroup
13    \hsize\@tempdima
14    \textwidth\hsize \columnwidth\hsize
15    \@parboxrestore
16    \def\right@footnote{%
17      \hbox to \columnwidth
18      {\beginR \vbox{\kern -3\p@
19        \hrule width .4\columnwidth \kern2.6\p@}\hfil\endR}}
20    \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
21    \let\@footnotetext\@mpfootnotetext
22    \let\@LTRfootnotetext\@mpLTRfootnotetext
23    \let\@RTLfootnotetext\@mpRTLfootnotetext
24    \let\@listdepth\@mplistdepth \@mplistdepth\z@
25    \@minipagerestore
26    \setminipage}
27 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
28 \let\@footnotetext\dfn@footnotetext}
29 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
30   \let\insert\dfn@gobble
31   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
32   \def\@makefnmark{\smash{\dfn@makefnmark}}
33   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
34   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
35   \ifdim\dfn@dima>\z@\else
36     \dfn@dima1sp\relax
37     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
38   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
39     \ifvoid\dfn@ins\else
40       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
41     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
42   \setbox\dfn@boxa\copy\dfn@ins
43   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
44   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
45   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
46   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
47   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
48 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
49 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
50 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
51   \let\insert\dfn@gobble
52   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
53   \def\@makefnmark{\smash{\dfn@makefnmark}}

```

```

54 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
55 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
56 \ifdim\dfn@dima>z@\else
57 \dfn@dima1sp\relax
58 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
59 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
60 \ifvoid\dfn@ins\else
61 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
62 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
63 \setbox\dfn@boxa\copy\dfn@ins
64 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
65 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
66 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
67 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
68 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}%
69 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
70 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
71 \def\dfn@RTLmakecol{{\ifvoid\footins\else
72 \dfn@dima\ht\footins
73 \@tempcnta\z@ \dfn@countins
74 \@tempdima\z@ \let\@elt\dfn@elt@getht
75 \dfn@list\@nil
76 \ifdim\@tempdima=z@\else
77 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
78 \global\setbox\dfn@ins\box\dfn@ins
79 \@tempswatrue
80 \ifdfn@trysingle
81 \setbox\dfn@boxb\vbox{\unvcopy\@cc1v}\@tempdima\@colroom
82 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
83 \advance\@tempdima-\skip\footins
84 \advance\@tempdima-\ht\dfn@boxa
85 \ifdim\@tempdima<z@\else \@tempswafalse
86 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
87 \footnoterule \unvbox\dfn@boxa}\fi\fi
88 \if@tempswa
89 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
90 \global\setbox\footins\vbox{\hbox{%
91 \hskip \DFNcolumnwidth
92 \hskip\DFNcolumnsep
93 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
94 \unvbox\dfn@boxb\vss}\hss}
95 \hskip -\textwidth
96 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
97 \vbox to\@tempdima{
98 \setbox\@tempboxa\vbox{\footnoterule}
99 \ifdfn@ruleboth \unvbox\@tempboxa
100 \else \@tempdima\ht\@tempboxa
101 \advance\@tempdima\dp\@tempboxa
102 \vskip\@tempdima
103 \prevdepth\dp\@tempboxa \fi

```

```

104         \unvbox\dfn@boxa\vss}\fi\hss}
105         \hskip \DFNcolumnsep
106         \hskip \DFNcolumnwidth}}\fi\fi
107 \global\dfn@fnht\z@
108 \ifx\dfn@list\@empty\else
109     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
110     \dfn@list \global\advance\dfn@fnht\dfn@dimb
111     \let\@elt\relax
112     \ifdim\dfn@dimb>\z@
113         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
114         \insert\footins{\floatingpenalty\@MM
115             \vbox to\dfn@dimb{}}\fi
116     \ifdim\dfn@fnht>\@tempdima
117         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
118         \global\dfn@fnht\@tempdima
119         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
120         \xdef\dfn@afteroutput{\insert\footins{
121             \floatingpenalty\@MM
122             \vbox to\number\@tempdimb sp{}}%
123             \global\let\noexpand\dfn@afteroutput\relax}%
124     \fi\fi
125 \fi}%
126 \let\footnoterule\relax \dfn@latex@makecol
127 \let\footnoterule\dfn@footnoterule}
128 \def\dfn@LTRmakecol{{\ifvoid\footins\else
129     \dfn@dima\ht\footins
130     \@tempcnta\z@ \dfn@countins
131     \@tempdima\z@ \let\@elt\dfn@elt@getht
132     \dfn@list\@nil
133     \ifdim\@tempdima=\z@\else
134     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
135     \global\setbox\dfn@ins\box\dfn@ins
136     \@tempswatrue
137     \ifdfn@trysingle
138         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
139         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
140         \advance\@tempdima-\skip\footins
141         \advance\@tempdima-\ht\dfn@boxa
142         \ifdim\@tempdima<\z@\else \@tempswafalse
143             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
144                 \footnoterule \unvbox\dfn@boxa}\fi\fi
145     \if@tempswa
146     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
147     \global\setbox\footins\vbox{\hbox{%
148         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
149             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
150         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
151             \vbox to\@tempdima{
152                 \setbox\@tempboxa\vbox{\footnoterule}
153                 \ifdfn@ruleboth \unvbox\@tempboxa

```



```

154         \else \@tempdima\ht\@tempboxa
155             \advance\@tempdima\dp\@tempboxa
156             \vskip\@tempdima
157             \prevdepth\dp\@tempboxa \fi
158         \unvbox\dfn@boxa\vss}\fi\hss}}\fi\fi
159     \global\dfn@fnht\z@
160     \ifx\dfn@list\@empty\else
161         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
162         \dfn@list \global\advance\dfn@fnht\dfn@dimb
163         \let\@elt\relax
164         \ifdim\dfn@dimb>\z@
165             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
166             \insert\footins{\floatingpenalty\@MM
167                 \vbox to\dfn@dimb{}}\fi
168         \ifdim\dfn@fnht>\@tempdima
169             \@tempdima\@tempdima \advance\@tempdima-\dfn@fnht
170             \global\dfn@fnht\@tempdima
171             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
172             \xdef\dfn@afteroutput{\insert\footins{
173                 \floatingpenalty\@MM
174                 \vbox to\number\@tempdima sp{}}%
175             \global\let\noexpand\dfn@afteroutput\relax}%
176         \fi\fi
177     \fi}%
178     \let\footnoterule\relax \dfn@latex@makecol
179     \let\footnoterule\dfn@footnoterule}
180 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
181 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
182 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
183 \DFNalwaysdouble

```

### 7.30 draftwatermark-xetex-bidi.def

```

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

```

### 7.31 empheq-xetex-bidi.def

```

1 \ProvidesFile{empheq-xetex-bidi.def}[2011/03/01 v0.1 bidi adaptations for empheq package for XeTeX]
2 \MHInternalSyntaxOn
3 \AtBeginDocument{%
4   \ifpackageloaded{fancybox}{%
5     \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
6     {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
7     \renewcommand*\shadowbox{%
8       \ifstar{\MH_set_boolean_T:n {shadowbox_star}
9         \VerbBox\EQ_shadowbox:n}
10      {\MH_set_boolean_F:n {shadowbox_star}
11        \VerbBox\EQ_shadowbox:n}}
12   \def\EQ_shadowbox:n #1{%

```

```

13 \sbox{\z@}{\fbox{#1}}%
14 \MH_if_boolean:nTF {shadowbox_star}{
15   \MH_setlength:dn \@tempdima{\z@}%
16 }{
17   \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
18 }
19 \raisebox{\@tempdima}{%
20 \if@RTL\makebox[\z@][r]{%
21   \kern\shadowsize \textcolor{shadowcolor}{%
22     \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
23   }\else%
24   \makebox[\z@][l]{%
25     \kern\shadowsize \textcolor{shadowcolor}{%
26       \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
27     }\fi%
28   \usebox\z@\textcolor{shadowcolor}{%
29     \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
30 }{)%
31 }
32 \renewenvironment{EmphEqMainEnv}{\@RTLfalse\collect@body\EQ_getbody:n}{%
33 \if_num:w \l_EQ_equationtype_int=\z@ %ZeroCheckpoint
34   \EQ_upgrade_error:
35 \else:
36   \EQ_post_process:
37   \ignorespacesafterend
38 \fi:}
39 \MHInternalSyntaxOff

```

### 7.32 extarticle-xetex-bidi.def

```

1 \ProvidesFile{extarticle-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for extarticle class for
2 \renewcommand*\l@section[2]{%
3   \ifnum \c@tocdepth >\z@
4     \addpenalty\@secpenalty
5     \addvspace{1.0em \@plus\p@}%
6     \setlength\@tempdima{1.5em}%
7     \begingroup
8       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9       \parfillskip -\@pnumwidth
10      \leavevmode \bfseries
11      \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12      \hskip -\if@RTL\rightskip\else\leftskip\fi
13      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14    \endgroup
15    \fi}
16 \renewcommand*\l@part[2]{%
17 \ifnum \c@tocdepth >-2\relax
18   \addpenalty\@secpenalty
19   \addvspace{2.25em \@plus\p@}%
20   \begingroup

```

```

21     \setlength\@tempdima{3em}%
22     \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
23     \parfillskip -\@pnumwidth
24     {\leavevmode
25       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
26     \nobreak
27   \endgroup
28 \fi}
29 \def\@part[#1]#2{%
30   \ifnum \c@secnumdepth >\m@ne
31     \refstepcounter{part}%
32     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
33   \else
34     \addcontentsline{toc}{part}{#1}%
35   \fi
36   {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi
37     \interlinepenalty \@M
38     \normalfont
39     \ifnum \c@secnumdepth >\m@ne
40       \Large\bfseries \partname-\thepart
41       \par\nobreak
42     \fi
43     \huge \bfseries #2%
44     \markboth{}{\par}%
45     \nobreak
46     \vskip 3ex
47     \@afterheading}
48 \def\@spart#1{%
49   {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi
50     \interlinepenalty \@M
51     \normalfont
52     \huge \bfseries #1\par}%
53   \nobreak
54   \vskip 3ex
55   \@afterheading}
56 \renewenvironment{thebibliography}[1]
57   {\section*{\refname
58     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
59   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
60     \list{\@biblabel{\@arabic\c@enumiv}}%
61       {\settowidth\labelwidth{\@biblabel{#1}}%
62         \leftmargin\labelwidth
63         \advance\leftmargin\labelsep
64         \@openbib@code
65         \usecounter{enumiv}%
66         \let\p@enumiv\@empty
67         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
68     \sloppy\clubpenalty4000\widowpenalty4000%
69     \sfcode`. \.\@m}
70   {\def\@noitemerr

```

```

71      {\@latex@warning{Empty `thebibliography' environment}}%
72      \endlist}
73 \renewcommand\left@footnote{%
74   \kern-3\p@
75   \hrule\@width.4\columnwidth
76   \kern2.6\p@}
77 \renewcommand\right@footnote{%
78   \hbox to \columnwidth
79   {\beginR \vbox{%
80    \kern-3\p@
81    \hrule\@width.4\columnwidth
82    \kern2.6\p@}\hfil\endR}}
83   \if@titlepage
84 \renewcommand\maketitle{\begin{titlepage}%
85 \let\footnotesize\small
86 \let\right@footnote\relax
87 \let\left@footnote\relax
88 \let\textwidth@footnote\relax
89 \let \footnote \thanks
90 \null\vfil
91 \vskip 60\p@
92 \begin{center}%
93   {\LARGE \@title \par}%
94   \vskip 3em%
95   {\large
96    \lineskip .75em%
97    \begin{tabular}[t]{c}%
98     \@author
99     \end{tabular}\par}%
100   \vskip 1.5em%
101   {\large \@date \par}%      % Set date in \large size.
102 \end{center}\par
103 \@thanks
104 \vfil\null
105 \end{titlepage}%
106 \setcounter{footnote}{0}%
107 \global\let\thanks\relax
108 \global\let\maketitle\relax
109 \global\let\@thanks\@empty
110 \global\let\@author\@empty
111 \global\let\@date\@empty
112 \global\let\@title\@empty
113 \global\let\title\relax
114 \global\let\author\relax
115 \global\let\date\relax
116 \global\let\and\relax
117 }
118 \else
119 \renewcommand\maketitle{\par
120 \begingroup

```

```

121 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
122 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
123 \long\def\@makefntext##1{\parindent 1em\noindent
124     \hb@xt@1.8em{%
125         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
126 \if@twocolumn
127     \ifnum \col@number=\@one
128         \@maketitle
129     \else
130         \twocolumn[\@maketitle]%
131     \fi
132 \else
133     \newpage
134     \global\@topnum\z@    % Prevents figures from going at top of page.
135     \@maketitle
136     \fi
137     \thispagestyle{plain}\@thanks
138 \endgroup
139 \setcounter{footnote}{0}%
140 \global\let\thanks\relax
141 \global\let\maketitle\relax
142 \global\let\@maketitle\relax
143 \global\let\@thanks\@empty
144 \global\let\@author\@empty
145 \global\let\@date\@empty
146 \global\let\@title\@empty
147 \global\let\title\relax
148 \global\let\author\relax
149 \global\let\date\relax
150 \global\let\and\relax
151 }
152 \def\@maketitle{%
153     \newpage
154     \null
155     \vskip 2em%
156     \begin{center}%
157         \let \footnote \thanks
158         {\LARGE \@title \par}%
159         \vskip 1.5em%
160         {\large
161             \lineskip .5em%
162             \begin{tabular}[t]{c}%
163                 \@author
164             \end{tabular}\par}%
165         \vskip 1em%
166         {\large \@date}%
167     \end{center}%
168     \par
169     \vskip 1.5em}
170 \fi

```

```

171 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
172 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
173 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
174 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

### 7.33 extbook-xetex-bidi.def

```

1 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeTeX]
2 \if@titlepage
3 \renewcommand\maketitle{\begin{titlepage}%
4 \let\footnotesize\small
5 \let\right@footnote\relax
6 \let\left@footnote\relax
7 \let\textwidth@footnote\relax
8 \let\footnote\thanks
9 \let\LTRfootnote\LTRthanks
10 \let\RTLfootnote\RTLthanks
11 \null\vfil
12 \vskip 60\p@
13 \begin{center}%
14 {\LARGE \@title \par}%
15 \vskip 3em%
16 {\large
17 \lineskip .75em%
18 \begin{tabular}[t]{c}%
19 \@author
20 \end{tabular}\par}%
21 \vskip 1.5em%
22 {\large \@date \par}% % Set date in \large size.
23 \end{center}\par
24 \@thanks
25 \vfil\null
26 \end{titlepage}%
27 \setcounter{footnote}{0}%
28 \global\let\thanks\relax
29 \global\let\LTRthanks\relax
30 \global\let\RTLthanks\relax
31 \global\let\maketitle\relax
32 \global\let\@thanks\@empty
33 \global\let\@author\@empty
34 \global\let\@date\@empty
35 \global\let\@title\@empty
36 \global\let\title\relax
37 \global\let\author\relax
38 \global\let\date\relax
39 \global\let\and\relax
40 }
41 \else
42 \renewcommand\maketitle{\par
43 \begingroup

```

```

44 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
45 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
46 \long\def\@makefntext##1{\parindent 1em\noindent
47     \hb@xt@1.8em{%
48         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
49 \if@twocolumn
50     \ifnum \col@number=\@one
51         \@maketitle
52     \else
53         \twocolumn[\@maketitle]%
54     \fi
55 \else
56     \newpage
57     \global\@topnum\z@ % Prevents figures from going at top of page.
58     \@maketitle
59     \fi
60     \thispagestyle{plain}\@thanks
61 \endgroup
62 \setcounter{footnote}{0}%
63 \global\let\thanks\relax
64 \global\let\LTRthanks\relax
65 \global\let\RTLthanks\relax
66 \global\let\maketitle\relax
67 \global\let\@maketitle\relax
68 \global\let\@thanks\@empty
69 \global\let\@author\@empty
70 \global\let\@date\@empty
71 \global\let\@title\@empty
72 \global\let\title\relax
73 \global\let\author\relax
74 \global\let\date\relax
75 \global\let\and\relax
76 }
77 \def\@maketitle{%
78     \newpage
79     \null
80     \vskip 2em%
81     \begin{center}%
82     \let \footnote \thanks
83     \let \LTRfootnote \LTRthanks
84     \let \RTLfootnote \RTLthanks
85     {\LARGE \@title \par}%
86     \vskip 1.5em%
87     {\large
88         \lineskip .5em%
89         \begin{tabular}[t]{c}%
90             \@author
91         \end{tabular}\par}%
92     \vskip 1em%
93     {\large \@date}%

```

```

94 \end{center}%
95 \par
96 \vskip 1.5em}
97 \fi
98 \renewcommand*{\l@part[2]}{%
99 \ifnum \c@tocdepth >-2\relax
100 \addpenalty{-\@highpenalty}%
101 \addvspace{2.25em \@plus\p@}%
102 \begingroup
103 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
104 \parfillskip -\@pnumwidth
105 {\leavevmode
106 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
107 \nobreak
108 \global\@nobreaktrue
109 \everypar{\global\@nobreakfalse\everypar{}}%
110 \endgroup
111 \fi}
112 \renewcommand\theequation
113 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
114 \renewcommand \thefigure
115 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
116 \renewcommand \thetable
117 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
118 \renewcommand \thechapter {\@arabic\c@chapter}
119 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
120 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
121 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
122 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
123 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
124 \def\@makechapterhead#1{%
125 \vspace*{50\p@}%
126 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
127 \ifnum \c@secnumdepth >\m@ne
128 \if@mainmatter
129 \huge\bfseries \@chapapp\space \thechapter
130 \par\nobreak
131 \vskip 20\p@
132 \fi
133 \fi
134 \interlinepenalty\@M
135 \Huge \bfseries #1\par\nobreak
136 \vskip 40\p@
137 }}
138
139 \def\@makeschapterhead#1{%
140 \vspace*{50\p@}%
141 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
142 \normalfont
143 \interlinepenalty\@M

```



```

144 \Huge \bfseries #1\par\nobreak
145 \vskip 40\p@
146 ]}
147 \renewcommand\backmatter{%
148 \if@openright
149 \cleardoublepage
150 \else
151 \clearpage
152 \fi
153 \@mainmatterfalse}
154 \renewenvironment{thebibliography}[1]
155 {\chapter*{\bibname
156 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
157 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
158 \list{\@biblabel{\@arabic\c@enumiv}}%
159 {\settowidth\labelwidth{\@biblabel{#1}}%
160 \leftmargin\labelwidth
161 \advance\leftmargin\labelsep
162 \@openbib@code
163 \usecounter{enumiv}%
164 \let\p@enumiv\@empty
165 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
166 \sloppy
167 \clubpenalty4000
168 \@clubpenalty \clubpenalty
169 \widowpenalty4000%
170 \sfcode`..\@m}
171 {\def\@noitemerr
172 {\@latex@warning{Empty `thebibliography' environment}}%
173 \endlist}

```

### 7.34 extletter-xetex-bidi.def

```

1 \ProvidesFile{extletter-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extletter class for Xe
2 \renewcommand*\opening}[1]{\ifx\@empty\fromaddress
3 \thispagestyle{firstpage}%
4 {\ifRTL\raggedright\else\raggedleft\fi\@date\par}%
5 \else % home address
6 \thispagestyle{empty}%
7 {\ifRTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8 \fromaddress \*[2\parskip]%
9 \@date \end{tabular}\par}%
10 \fi
11 \vspace{2\parskip}%
12 {\ifRTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
13 \vspace{2\parskip}%
14 #1\par\nobreak}
15 \renewcommand\closing}[1]{\par\nobreak\vspace{\parskip}%
16 \stopbreaks
17 \noindent

```

```

18 \ifx\@empty\fromaddress\else
19 \hspace*{\longindentation}\fi
20 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
21 \ignorespaces #1\}[6\medskipamount]%
22 \ifx\@empty\fromsig
23 \fromname
24 \else \fromsig \fi\strut}%
25 \par}
26 \renewcommand\left@footnote{%
27 \kern-\p@
28 \hrule \@width .4\columnwidth
29 \kern .6\p@}
30 \renewcommand\right@footnote{%
31 \hbox to \columnwidth
32 {\beginR \vbox{%
33 \kern-\p@
34 \hrule \@width .4\columnwidth
35 \kern .6\p@}\hfil\endR}}

```

### 7.35 extrafootnotefeatures.def

```

1 \ProvidesFile{extrafootnotefeatures}[2011/03/01 v0.1 bidi extra footnote features for XeTeX engine]
2 \let\m@mold@footnotetext\@footnotetext
3 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
4 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
5 \let\m@mold@mpfootnotetext\@mpfootnotetext
6 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
7 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8 \newcommand{\normalfootnotes}{%
9 \let\@footnotetext\m@mold@footnotetext
10 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
12 \let\@mpfootnotetext\m@mold@mpfootnotetext
13 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
14 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
15 \newif\if@RTLcolumnfootnotes
16 \newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestrue}
17 \newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
18 \g@addto@macro\document{\textwidthfootnoterule}
19 \newcommand*{\setSingleSpace}[1]{%
20 \def\m@m@singlespace{#1}%
21 \def\m@m@footnote@spacing{#1}%
22 \def\m@m@float@spacing{#1} %
23 }
24 \setSingleSpace{1}
25 \newinsert\sideins
26 \newcommand*{\multiplefootnotemarker}{3sp}
27 \newcommand*{\m@mmf@prepare}{%
28 \kern-\multiplefootnotemarker
29 \kern\multiplefootnotemarker\relax}

```

```

30 \newlength{\footmarkwidth}
31 \newlength{\footmarksep}
32 \newlength{\footparindent}
33 \newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
34 \newcommand{\footfootmark}{%
35   \ifdim\footmarkwidth < \z@
36     \llap{\hb@xt@ -\footmarkwidth{%
37       \hss\normalfont\footscript{\@thefnmark}}%
38       \hspace*{-\footmarkwidth}}%
39   \else
40     \ifdim\footmarkwidth = \z@
41       {\normalfont\footscript{\@thefnmark}}%
42     \else
43       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
44     \fi
45   \fi}
46 \footmarkstyle{\textsuperscript{#1}}
47 \setlength{\footmarkwidth}{1.8em}
48 \setlength{\footparindent}{1em}
49 \newcommand{\m@doextrafeet}{\extrafeetins}
50 \newcommand*{\extrafeetins}{%
51   \setbox\@outputbox \vbox{%
52     \boxmaxdepth \@maxdepth
53     \unvbox\@outputbox
54     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
55     \extrafeetinshook}
56 \newcommand{\extrafeetinshook}{-}
57 \newcommand{\foottextfont}{\footnotesize}
58 \newlength{\footinsdim}
59 \setlength{\footinsdim}{8in} % standard for \dimen\footins
60 \newcommand{\@preamfntext}{%
61   \interlinepenalty\interfootnotelinepenalty
62   \floatingpenalty \@MM
63   \splittopskip=\footnotesep
64   \splitmaxdepth=\dp\strutbox
65   \@parboxrestore}
66 \newcommand{\m@doextrafeetmini}{%
67   \extrafeetminihook}
68 \newcommand{\extrafeetendmini}{%
69   \ifvoid\@mpfootinsv@r\else
70     \vskip\skip\@mpfootins
71     \normalcolor\footnoterule\mp@footgroupv@r
72   \fi
73   \extrafeetendminihook}
74 \newcommand{\extrafeetendminihook}{-}
75 \newcommand{\m@doextrafeetendmini}{\extrafeetendmini}
76 \def\endminipage{%
77   \par
78   \unskip
79   \ifvoid\@mpfootins\else

```

```

80 \vskip\skip\@mpfootins
81 \normalcolor
82 \footnoterule
83 \unvbox\@mpfootins
84 \fi
85 \m@doextrafeetendmini
86 \@minipagefalse
87 \color@endgroup
88 \egroup
89 \if@RTL\endL\fi
90 \egroup
91 \egroup
92 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa\leavevmode}}
93 \newcommand{\m@make@footstart}[1]{%
94 \namedef{\@footstart#1}{%
95 \vskip\bigskipamount
96 \leftskip=\z@
97 \rightskip=\z@
98 \footnoterule}}
99 \newinsert\footinsv@r
100 \skip\footinsv@r\bigskipamount
101 \count\footinsv@r=1000 % no magnification
102 \dimen\footinsv@r=\footinsdim
103 \m@make@footstart{v@r}
104 \newcommand{\@footgroupv@r}{-}
105 \newinsert\@mpfootinsv@r
106 \newcommand{\mp@footgroupv@r}{-}
107 \newcount\m@m@k \newdimen\m@m@h
108 \newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
109 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
110 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
111 \newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
112 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
113 \newcommand*{\m@m@splitoff}{\dimen0=\ht0
114 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
115 \setbox2 \vsplit0 to \dimen0
116 \unvbox2 }
117 \newcommand{\twocolumnfootnotes}{%
118 \namedef{\foottextfontv@r}{\foottextfont}% % [RS]
119 \let\@footnotetext\@twocolfootnotetext
120 \let\@LTRfootnotetext\@twocolLTRfootnotetext
121 \let\@RTLfootnotetext\@twocolRTLfootnotetext
122 \dimen\footinsv@r=2\footinsdim
123 \count\footinsv@r=500\relax
124 \m@make@twocol@footgroup{v@r}%
125 \let\@footgroupv@r\@twocol@footgroupv@r
126 \let\@mpfootnotetext\@mptwocolfootnotetext
127 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
128 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
129 \m@make@mptwocol@footgroup{v@r}%

```

```

130 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
131 \newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse
132 \def\baselinestretch{\m@m@footnote@spacing}%
133 \reset@font\foottextfont
134 \@preamfntext
135 \protected@edef\@currentlabel{%
136 \csname p@footnote\endcsname\@thefnmark}%
137 \color@begingroup
138 \@twocolfootfmt{#1}%
139 \color@endgroup}%
140 \m@m@mmf@prepare}
141 \newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi\@RTL
142 \def\baselinestretch{\m@m@footnote@spacing}%
143 \reset@font\foottextfont
144 \@preamfntext
145 \protected@edef\@currentlabel{%
146 \csname p@footnote\endcsname\@thefnmark}%
147 \color@begingroup
148 \@twocolfootfmt{#1}%
149 \color@endgroup}%
150 \m@m@mmf@prepare}
151 \newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
152 \def\baselinestretch{\m@m@footnote@spacing}%
153 \reset@font\foottextfont
154 \@preamfntext
155 \protected@edef\@currentlabel{%
156 \csname p@footnote\endcsname\@thefnmark}%
157 \color@begingroup
158 \@twocolfootfmt{#1}%
159 \color@endgroup}%
160 \m@m@mmf@prepare}
161 \newcommand{\@preamtwofmt}{%
162 \hspace .45\hspace
163 \parindent=\z@
164 \tolerance=5000\relax
165 % \raggedright
166 \leavevmode}
167 \newcommand{\@twocolfootfmt}[1]{%
168 \@preamtwofmt
169 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
170 \newcommand{\@mptwocolfootnotetext}[1]{%
171 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
172 \unvbox\@mpfootinsv@r
173 \def\baselinestretch{\m@m@footnote@spacing}%
174 \reset@font\foottextfont
175 \hspace\columnwidth \@parboxrestore
176 \protected@edef\@currentlabel{%
177 \csname p@mpfootnote\endcsname\@thefnmark}%
178 \color@begingroup
179 \@twocolfootfmt{#1}%

```

```

180 \color@endgroup}%
181 \m@mmf@prepare}
182 \newcommand{\@mptwocolLTRfootnotetext}[1]{%
183 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
184 \unvbox\@mpfootinsv@r
185 \def\baselinestretch{\m@m@footnote@spacing}%
186 \reset@font\foottextfont
187 \hsize\columnwidth \@parboxrestore
188 \if@RTLcolumnfootnotes\beginL\fi
189 \protected@edef\@currentlabel{%
190 \csname p@mpfootnote\endcsname\@thefnmark}%
191 \color@begingroup
192 \@twocolfootfmt{#1}%
193 \color@endgroup}%
194 \m@mmf@prepare}
195 \newcommand{\@mptwocolRTLfootnotetext}[1]{%
196 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
197 \unvbox\@mpfootinsv@r
198 \def\baselinestretch{\m@m@footnote@spacing}%
199 \reset@font\foottextfont
200 \hsize\columnwidth \@parboxrestore
201 \protected@edef\@currentlabel{%
202 \csname p@mpfootnote\endcsname\@thefnmark}%
203 \color@begingroup
204 \@twocolfootfmt{#1}%
205 \color@endgroup}%
206 \m@mmf@prepare}
207 \newcommand{\twocolumnfootstyle}[1]{%
208 \m@make@twocolfootnotetext{#1}%
209 \m@make@mptwocolfootnotetext{#1}%
210 \m@make@twocolfootfmt{#1}%
211 \m@make@twocol@footgroup{#1}%
212 \m@make@mptwocol@footgroup{#1}%
213 \m@make@footstart{#1}%
214 \@namelongdef{\footnotetext#1}##1{%
215 \@nameuse{\twocolfootnotetext#1}{##1}}%
216 \@namelongdef{\mpfootnotetext#1}##1{%
217 \@nameuse{\mptwocolfootnotetext#1}{##1}}%
218 \@namedef{\footgroup#1}{\@nameuse{\twocol@footgroup#1}}%
219 \@namedef{\mp@footgroup#1}{\@nameuse{\mptwocol@footgroup#1}}%
220 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
221 \expandafter\count\csname footins#1\endcsname=500\relax}
222 \newcommand{\m@make@twocolfootnotetext}[1]{%
223 \@namelongdef{\twocolfootnotetext#1}##1{%
224 \insert\@nameuse{footins#1}{%
225 \def\baselinestretch{\m@m@footnote@spacing}%
226 \reset@font\@nameuse{foottextfont#1}}%
227 \@preamfntext
228 \protected@edef\@currentlabel{%
229 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%

```

```

230 \color@begingroup
231 \@nameuse{@twocolfootfmt#1}-{##1}%
232 \color@endgroup}%
233 \m@mmf@prepare}}
234 \newcommand{\m@make@mptwocolfootnotetext}[1]{%
235 \@namelongdef{@mptwocolfootnotetext#1}##1{%
236 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
237 \unvbox\@nameuse{@mpfootins#1}
238 \def\baselinestretch{\m@m@footnote@spacing}%
239 \reset@font\@nameuse{foottextfont#1}%
240 \hsize\columnwidth \parboxrestore
241 \protected@edef\@currentlabel{%
242 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
243 \color@begingroup
244 \@nameuse{@twocolfootfmt#1}-{##1}%
245 \color@endgroup}\m@mmf@prepare}}
246 \newcommand{\m@make@twocolfootfmt}[1]{%
247 \@namedef{@twocolfootfmt#1}##1{%
248 \@preamtwofmt
249 {\@nameuse{footfootmark#1}\strut
250 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
251 \newcommand{\m@make@twocol@footgroup}[1]{%
252 \@namedef{@twocol@footgroup#1}{%
253 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
254 \m@mmrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
255 \newcommand{\m@make@mptwocol@footgroup}[1]{%
256 \@namedef{@mptwocol@footgroup#1}{%
257 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
258 \m@mmrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
259 \newcommand{\threecolumnfootnotes}{%
260 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
261 \let\@footnotetext\@threecolfootnotetext
262 \let\@LTRfootnotetext\@threecolLTRfootnotetext
263 \let\@RTLfootnotetext\@threecolRTLfootnotetext
264 \dimen\footinsv@r=3\footinsdim
265 \count\footinsv@r=333\relax
266 \m@make@threecol@footgroup{v@r}%
267 \let\@footgroupv@r\@threecol@footgroupv@r
268 \let\@mpfootnotetext\@mpthreecolfootnotetext
269 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
270 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
271 \m@make@mpthreecol@footgroup{v@r}%
272 \let\@mp@footgroupv@r\@mpthreecol@footgroupv@r}
273 \newcommand{@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse}}
274 \def\baselinestretch{\m@m@footnote@spacing}%
275 \reset@font\foottextfont
276 \@preamfntext
277 \protected@edef\@currentlabel{%
278 \csname p@footnote\endcsname\@thefnmark}%
279 \color@begingroup

```

```

280 \@threecolfootfmt{#1}%
281 \color@endgroup}\m@mmf@prepare}
282 \newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi\@R
283 \def\baselinestretch{\m@m@footnote@spacing}%
284 \reset@font\foottextfont
285 \@preamfntext
286 \protected@edef\@currentlabel{%
287 \csname p@footnote\endcsname\@thefnmark}%
288 \color@begingroup
289 \@threecolfootfmt{#1}%
290 \color@endgroup}\m@mmf@prepare}
291 \newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
292 \def\baselinestretch{\m@m@footnote@spacing}%
293 \reset@font\foottextfont
294 \@preamfntext
295 \protected@edef\@currentlabel{%
296 \csname p@footnote\endcsname\@thefnmark}%
297 \color@begingroup
298 \@threecolfootfmt{#1}%
299 \color@endgroup}\m@mmf@prepare}
300 \newcommand{\@preamthreefmt}{%
301 \hspace .3\hspace
302 \parindent=\z@
303 \tolerance=5000\relax
304 % \raggedright
305 \leavevmode}
306 \newcommand{\@threecolfootfmt}[1]{%
307 \@preamthreefmt
308 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
309 \newcommand{\@mpthreecolfootnotetext}[1]{%
310 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
311 \unvbox\@mpfootinsv@r
312 \def\baselinestretch{\m@m@footnote@spacing}%
313 \reset@font\foottextfont
314 \hspace\columnwidth \@parboxrestore
315 \protected@edef\@currentlabel{%
316 \csname p@mpfootnote\endcsname\@thefnmark}%
317 \color@begingroup
318 \@threecolfootfmt{#1}%
319 \color@endgroup}\m@mmf@prepare}
320 \newcommand{\@mpthreecolLTRfootnotetext}[1]{%
321 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
322 \unvbox\@mpfootinsv@r
323 \def\baselinestretch{\m@m@footnote@spacing}%
324 \reset@font\foottextfont
325 \hspace\columnwidth \@parboxrestore
326 \if@RTLcolumnfootnotes\beginL\fi
327 \protected@edef\@currentlabel{%
328 \csname p@mpfootnote\endcsname\@thefnmark}%
329 \color@begingroup

```



```

330 \threecolfootfmt{#1}%
331 \color@endgroup}\m@mmf@prepare}
332 \newcommand{\@mpthreecolRTLfootnotetext}[1]{%
333 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
334 \unvbox\@mpfootinsv@r
335 \def\baselinestretch{\m@mm@footnote@spacing}%
336 \reset@font\foottextfont
337 \hsize\columnwidth \@parboxrestore
338 \protected@edef\@currentlabel{%
339 \csname p@mpfootnote\endcsname\@thefnmark}%
340 \color@begingroup
341 \threecolfootfmt{#1}%
342 \color@endgroup}\m@mmf@prepare}
343 \newcommand{\threecolumnfootstyle}[1]{%
344 \m@make@threecolfootnotetext{#1}%
345 \m@make@mpthreecolfootnotetext{#1}%
346 \m@make@threecolfootfmt{#1}%
347 \m@make@threecol@footgroup{#1}%
348 \m@make@mpthreecol@footgroup{#1}%
349 \m@make@footstart{#1}%
350 \@namelongdef{\footnotetext#1}##1{%
351 \@nameuse{\threecolfootnotetext#1}{##1}}%
352 \@namelongdef{\@mpfootnotetext#1}##1{%
353 \@nameuse{\mpthreecolfootnotetext#1}{##1}}%
354 \@namedef{\footgroup#1}{\@nameuse{\threecol@footgroup#1}}%
355 \@namedef{\mp@footgroup#1}{\@nameuse{\mpthreecol@footgroup#1}}%
356 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
357 \expandafter\count\csname footins#1\endcsname=333\relax}
358 \newcommand{\m@make@threecolfootnotetext}[1]{%
359 \@namelongdef{\threecolfootnotetext#1}##1{%
360 \insert\@nameuse{footins#1}{%
361 \def\baselinestretch{\m@mm@footnote@spacing}%
362 \reset@font\@nameuse{foottextfont#1}%
363 \@preamfntext
364 \protected@edef\@currentlabel{%
365 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
366 \color@begingroup
367 \@nameuse{\threecolfootfmt#1}{##1}%
368 \color@endgroup}\m@mmf@prepare}}
369 \newcommand{\m@make@mpthreecolfootnotetext}[1]{%
370 \@namelongdef{\@mpthreecolfootnotetext#1}##1{%
371 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
372 \unvbox\@nameuse{\@mpfootins#1}
373 \def\baselinestretch{\m@mm@footnote@spacing}%
374 \reset@font\@nameuse{foottextfont#1}%
375 \hsize\columnwidth \@parboxrestore
376 \protected@edef\@currentlabel{%
377 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
378 \color@begingroup
379 \@nameuse{\threecolfootfmt#1}{##1}%

```

```

380 \color@endgroup}\m@mmf@prepare}}
381 \newcommand{\m@make@threecolfootfmt}[1]{%
382 \@namelongdef{@threecolfootfmt#1}##1{%
383   \@preamthreefmt
384   {\@nameuse{footfootmark#1}\strut
385     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
386 \newcommand{\m@make@threecol@footgroup}[1]{%
387 \@namedef{@threecol@footgroup#1}{%
388   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
389   \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
390 \newcommand{\m@make@mpthreecol@footgroup}[1]{%
391 \@namedef{@mpthreecol@footgroup#1}{%
392   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
393   \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
394 \newcommand{\fourcolumnfootnotes}{%
395   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
396   \let\@footnotetext\@fourcolfootnotetext
397   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
398   \let\@RTLfootnotetext\@fourcolRTLfootnotetext
399   \dimen\footinsv@r=4\footinsdim
400   \count\footinsv@r=250\relax
401   \m@make@fourcol@footgroup{v@r}%
402   \let\@footgroupv@r\@fourcol@footgroupv@r
403   \let\@mpfootnotetext\@mpfourcolfootnotetext
404   \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
405   \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
406   \m@make@mpfourcol@footgroup{v@r}%
407   \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
408 \newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse
409 \def\baselinestretch{\m@m@footnote@spacing}%
410 \reset@font\foottextfont
411 \@preamfntext
412 \protected@edef\@currentlabel{%
413   \csname p@footnote\endcsname\@thefnmark}%
414 \color@begingroup
415   \@fourcolfootfmt{#1}%
416 \color@endgroup}%
417 \m@mmf@prepare}
418 \newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi\@RTL
419 \def\baselinestretch{\m@m@footnote@spacing}%
420 \reset@font\foottextfont
421 \@preamfntext
422 \protected@edef\@currentlabel{%
423   \csname p@footnote\endcsname\@thefnmark}%
424 \color@begingroup
425   \@fourcolfootfmt{#1}%
426 \color@endgroup}%
427 \m@mmf@prepare}
428 \newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
429 \def\baselinestretch{\m@m@footnote@spacing}%

```

```

430 \reset@font\foottextfont
431 \@preamfntext
432 \protected@edef\@currentlabel{%
433   \csname p@footnote\endcsname\@thefnmark}%
434 \color@begingroup
435   \@fourcolfootfmt{#1}%
436 \color@endgroup}%
437 \m@mmf@prepare}
438 \newcommand{\@preamfourfmt}{%
439   \hspace .25\hspace
440   \parindent=\z@
441   \tolerance=5000\relax
442 % \raggedright
443 \leavevmode}
444 \newcommand{\@fourcolfootfmt}[1]{%
445   \@preamfourfmt
446   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
447 \newcommand{\@mpfourcolfootnotetext}[1]{%
448   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote@RTLtrue\else@RTLfalse\fi%
449     \unvbox\@mpfootinsv@r
450     \def\baselinestretch{\m@m@footnote@spacing}%
451     \reset@font\foottextfont
452     \hspace\columnwidth \@parboxrestore
453     \protected@edef\@currentlabel{%
454       \csname p@mpfootnote\endcsname\@thefnmark}%
455     \color@begingroup
456       \@fourcolfootfmt{#1}%
457     \color@endgroup}%
458     \m@mmf@prepare}
459 \newcommand{\@mpfourcolLTRfootnotetext}[1]{%
460   \global\setbox\@mpfootinsv@r\vbox{@RTLfalse%
461     \unvbox\@mpfootinsv@r
462     \def\baselinestretch{\m@m@footnote@spacing}%
463     \reset@font\foottextfont
464     \hspace\columnwidth \@parboxrestore
465     \if@RTLcolumnfootnotes\beginL\fi
466     \protected@edef\@currentlabel{%
467       \csname p@mpfootnote\endcsname\@thefnmark}%
468     \color@begingroup
469       \@fourcolfootfmt{#1}%
470     \color@endgroup}%
471     \m@mmf@prepare}
472 \newcommand{\@mpfourcolRTLfootnotetext}[1]{%
473   \global\setbox\@mpfootinsv@r\vbox{@RTLtrue%
474     \unvbox\@mpfootinsv@r
475     \def\baselinestretch{\m@m@footnote@spacing}%
476     \reset@font\foottextfont
477     \hspace\columnwidth \@parboxrestore
478     \protected@edef\@currentlabel{%
479       \csname p@mpfootnote\endcsname\@thefnmark}%

```

```

480 \color@begingroup
481   \@fourcolfootfmt{#1}%
482 \color@endgroup}%
483 \m@mmf@prepare}
484 \newcommand{\fourcolumnfootstyle}[1]{%
485   \m@make@fourcolfootnotetext{#1}%
486   \m@make@mpfourcolfootnotetext{#1}%
487   \m@make@fourcolfootfmt{#1}%
488   \m@make@fourcol@footgroup{#1}%
489   \m@make@mpfourcol@footgroup{#1}%
490   \m@make@footstart{#1}%
491   \@namelongdef{@footnotetext#1}##1{%
492     \@nameuse{@fourcolfootnotetext#1}{##1}}%
493   \@namelongdef{@mpfootnotetext#1}##1{%
494     \@nameuse{@mpfourcolfootnotetext#1}{##1}}%
495   \@namedef{@footgroup#1}{\@nameuse{@fourcol@footgroup#1}}%
496   \@namedef{@mp@footgroup#1}{\@nameuse{@mpfourcol@footgroup#1}}%
497   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
498   \expandafter\count\csname footins#1\endcsname=500\relax}
499 \newcommand{\m@make@fourcolfootnotetext}[1]{%
500   \@namelongdef{@fourcolfootnotetext#1}##1{%
501     \insert\@nameuse{footins#1}{%
502       \def\baselinestretch{\m@m@footnote@spacing}%
503       \reset@font\@nameuse{foottextfont#1}}%
504     \@preamfntext
505     \protected@edef\@currentlabel{%
506       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
507     \color@begingroup
508       \@nameuse{@fourcolfootfmt#1}{##1}%
509     \color@endgroup}%
510   \m@mmf@prepare}}
511 \newcommand{\m@make@mpfourcolfootnotetext}[1]{%
512   \@namelongdef{@mpfourcolfootnotetext#1}##1{%
513     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
514       \unvbox\@nameuse{@mpfootins#1}
515       \def\baselinestretch{\m@m@footnote@spacing}%
516       \reset@font\@nameuse{foottextfont#1}}%
517     \hsize\columnwidth \@parboxrestore
518     \protected@edef\@currentlabel{%
519       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
520     \color@begingroup
521       \@nameuse{@fourcolfootfmt#1}{##1}%
522     \color@endgroup}\m@mmf@prepare}}
523 \newcommand{\m@make@fourcolfootfmt}[1]{%
524   \@namedef{@fourcolfootfmt#1}##1{%
525     \@preamfourfmt
526     {\@nameuse{footfootmark#1}\strut
527       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
528 \newcommand{\m@make@fourcol@footgroup}[1]{%
529   \@namedef{@fourcol@footgroup#1}{%

```

```

530 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
531 \m@mrigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}
532 \newcommand{\m@make@mpfourcol@footgroup}[1]{%
533 \namedef{\mpfourcol@footgroup#1}{%
534 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
535 \m@mrigidbalance{\nameuse{\mpfootins#1}}{4}{\splittopskip}}
536 \newcommand{\fivecolumnfootnotes}{%
537 \namedef{\foottextfontv@r}{\foottextfont}% % [RS]
538 \let\@footnotetext\@fivecolfootnotetext
539 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
540 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
541 \dimen\footinsv@r=5\footinsdim
542 \count\footinsv@r=200\relax
543 \m@make@fivecol@footgroup{v@r}%
544 \let\@footgroupv@r\@fivecol@footgroupv@r
545 \let\@mpfootnotetext\@mpfivecolfootnotetext
546 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
547 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
548 \m@make@mpfivecol@footgroup{v@r}%
549 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
550 \newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse
551 \def\baselinestretch{\m@m@footnote@spacing}%
552 \reset@font\foottextfont
553 \@preamfntext
554 \protected@edef\@currentlabel{%
555 \csname p@footnote\endcsname\@thefnmark}%
556 \color@begingroup
557 \@fivecolfootfmt{#1}%
558 \color@endgroup}%
559 \m@mmf@prepare}
560 \newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi\@RTL
561 \def\baselinestretch{\m@m@footnote@spacing}%
562 \reset@font\foottextfont
563 \@preamfntext
564 \protected@edef\@currentlabel{%
565 \csname p@footnote\endcsname\@thefnmark}%
566 \color@begingroup
567 \@fivecolfootfmt{#1}%
568 \color@endgroup}%
569 \m@mmf@prepare}
570 \newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
571 \def\baselinestretch{\m@m@footnote@spacing}%
572 \reset@font\foottextfont
573 \@preamfntext
574 \protected@edef\@currentlabel{%
575 \csname p@footnote\endcsname\@thefnmark}%
576 \color@begingroup
577 \@fivecolfootfmt{#1}%
578 \color@endgroup}%
579 \m@mmf@prepare}

```

```

580 \newcommand{\@preamfivefmt}{%
581   \hspace .2\hspace
582   \parindent=\z@
583   \tolerance=5000\relax
584 %   \raggedright
585   \leavevmode}
586 \newcommand{\@fivecolfootfmt}[1]{%
587   \@preamfivefmt
588   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
589 \newcommand{\@mpfivecolfootnotetext}[1]{%
590   \global\setbox\@mpfootinsv\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
591     \unvbox\@mpfootinsv\@r
592     \def\baselinestretch{\m@m@footnote@spacing}%
593     \reset@font\foottextfont
594     \hspace\columnwidth \@parboxrestore
595     \protected@edef\@currentlabel{%
596       \csname p@mpfootnote\endcsname\@thefnmark}%
597     \color@begingroup
598     \@fivecolfootfmt{#1}%
599     \color@endgroup}%
600   \m@m@mpf@prepare}
601 \newcommand{\@mpfivecolLTRfootnotetext}[1]{%
602   \global\setbox\@mpfootinsv\@r\@vbox{\@RTLfalse%
603     \unvbox\@mpfootinsv\@r
604     \def\baselinestretch{\m@m@footnote@spacing}%
605     \reset@font\foottextfont
606     \hspace\columnwidth \@parboxrestore
607     \if@RTLcolumnfootnotes\beginL\fi
608     \protected@edef\@currentlabel{%
609       \csname p@mpfootnote\endcsname\@thefnmark}%
610     \color@begingroup
611     \@fivecolfootfmt{#1}%
612     \color@endgroup}%
613   \m@m@mpf@prepare}
614 \newcommand{\@mpfivecolRTLfootnotetext}[1]{%
615   \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
616     \unvbox\@mpfootinsv\@r
617     \def\baselinestretch{\m@m@footnote@spacing}%
618     \reset@font\foottextfont
619     \hspace\columnwidth \@parboxrestore
620     \protected@edef\@currentlabel{%
621       \csname p@mpfootnote\endcsname\@thefnmark}%
622     \color@begingroup
623     \@fivecolfootfmt{#1}%
624     \color@endgroup}%
625   \m@m@mpf@prepare}
626 \newcommand{\fivecolumnfootstyle}[1]{%
627   \m@m@make@fivecolfootnotetext{#1}%
628   \m@m@make@mpfivecolfootnotetext{#1}%
629   \m@m@make@fivecolfootfmt{#1}%

```

```

630 \m@make@fivecol@footgroup{#1}%
631 \m@make@mpfivecol@footgroup{#1}%
632 \m@make@footstart{#1}%
633 \@namelongdef{@footnotetext#1}##1{%
634   \@nameuse{@fivecolfootnotetext#1}{##1}}%
635 \@namelongdef{@mpfootnotetext#1}##1{%
636   \@nameuse{@mpfivecolfootnotetext#1}{##1}}%
637 \@namedef{@footgroup#1}{\@nameuse{@fivecol@footgroup#1}}%
638 \@namedef{@mp@footgroup#1}{\@nameuse{@mpfivecol@footgroup#1}}%
639 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
640 \expandafter\count\csname footins#1\endcsname=500\relax}
641 \newcommand{\m@make@fivecolfootnotetext}[1]{%
642   \@namelongdef{@fivecolfootnotetext#1}##1{%
643     \insert\@nameuse{footins#1}{-}%
644     \def\baselinestretch{\m@m@footnote@spacing}%
645     \reset@font\@nameuse{foottextfont#1}%
646     \@preamfntext
647     \protected@edef\@currentlabel{%
648       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
649     \color@begingroup
650     \@nameuse{@fivecolfootfmt#1}{##1}%
651     \color@endgroup}%
652   \m@mmf@prepare}}
653 \newcommand{\m@make@mpfivecolfootnotetext}[1]{%
654   \@namelongdef{@mpfivecolfootnotetext#1}##1{%
655     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
656       \unvbox\@nameuse{@mpfootins#1}
657       \def\baselinestretch{\m@m@footnote@spacing}%
658       \reset@font\@nameuse{foottextfont#1}%
659       \hsize\columnwidth \@parboxrestore
660       \protected@edef\@currentlabel{%
661         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
662       \color@begingroup
663       \@nameuse{@fivecolfootfmt#1}{##1}%
664       \color@endgroup}\m@mmf@prepare}}
665 \newcommand{\m@make@fivecolfootfmt}[1]{%
666   \@namedef{@fivecolfootfmt#1}##1{%
667     \@preamfivefmt
668     {\@nameuse{footfootmark#1}\strut
669     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
670 \newcommand{\m@make@fivecol@footgroup}[1]{%
671   \@namedef{@fivecol@footgroup#1}{-%
672     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
673     \m@rrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
674 \newcommand{\m@make@mpfivecol@footgroup}[1]{%
675   \@namedef{@mpfivecol@footgroup#1}{-%
676     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
677     \m@rrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
678 \newcommand{\sixcolumnfootnotes}{%
679   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]

```

```

680 \let\@footnotetext\@sixcolfootnotetext
681 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
682 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
683 \dimen\footinsv@r=6\footinsdim
684 \count\footinsv@r=166\relax
685 \m@make@sixcol@footgroup{v@r}%
686 \let\@footgroupv@r\@sixcol@footgroupv@r
687 \let\@mpfootnotetext\@mpsixcolfootnotetext
688 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
689 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
690 \m@make@mpsixcol@footgroup{v@r}%
691 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
692 \newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
693 \def\baselinestretch{\m@m@footnote@spacing}%
694 \reset@font\foottextfont
695 \@preamfntext
696 \protected@edef\@currentlabel{%
697 \csname p@footnote\endcsname\@thefnmark}%
698 \color@begingroup
699 \@sixcolfootfmt{#1}%
700 \color@endgroup}%
701 \m@mmf@prepare}
702 \newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi\@RTL%
703 \def\baselinestretch{\m@m@footnote@spacing}%
704 \reset@font\foottextfont
705 \@preamfntext
706 \protected@edef\@currentlabel{%
707 \csname p@footnote\endcsname\@thefnmark}%
708 \color@begingroup
709 \@sixcolfootfmt{#1}%
710 \color@endgroup}%
711 \m@mmf@prepare}
712 \newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
713 \def\baselinestretch{\m@m@footnote@spacing}%
714 \reset@font\foottextfont
715 \@preamfntext
716 \protected@edef\@currentlabel{%
717 \csname p@footnote\endcsname\@thefnmark}%
718 \color@begingroup
719 \@sixcolfootfmt{#1}%
720 \color@endgroup}%
721 \m@mmf@prepare}
722 \newcommand{\@preamsixfmt}{%
723 \hspace .16\hspace
724 \parindent=\z@
725 \tolerance=5000\relax
726 % \raggedright
727 \leavevmode}
728 \newcommand{\@sixcolfootfmt}[1]{%
729 \@preamsixfmt

```



```

730 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
731 \newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
732 \global\setbox\@mpfootinsv@r\vbox{%
733 \unvbox\@mpfootinsv@r
734 \def\baselinestretch{\m@mm@footnote@spacing}%
735 \reset@font\foottextfont
736 \hsize\columnwidth \@parboxrestore
737 \protected@edef\@currentlabel{%
738 \csname p@mpfootnote\endcsname\@thefnmark}%
739 \color@begingroup
740 \@sixcolfootfmt{#1}%
741 \color@endgroup}%
742 \m@mmf@prepare}
743 \newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
744 \global\setbox\@mpfootinsv@r\vbox{%
745 \unvbox\@mpfootinsv@r
746 \def\baselinestretch{\m@mm@footnote@spacing}%
747 \reset@font\foottextfont
748 \hsize\columnwidth \@parboxrestore
749 \if@RTLcolumnfootnotes\beginL\fi
750 \protected@edef\@currentlabel{%
751 \csname p@mpfootnote\endcsname\@thefnmark}%
752 \color@begingroup
753 \@sixcolfootfmt{#1}%
754 \color@endgroup}%
755 \m@mmf@prepare}
756 \newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
757 \global\setbox\@mpfootinsv@r\vbox{%
758 \unvbox\@mpfootinsv@r
759 \def\baselinestretch{\m@mm@footnote@spacing}%
760 \reset@font\foottextfont
761 \hsize\columnwidth \@parboxrestore
762 \protected@edef\@currentlabel{%
763 \csname p@mpfootnote\endcsname\@thefnmark}%
764 \color@begingroup
765 \@sixcolfootfmt{#1}%
766 \color@endgroup}%
767 \m@mmf@prepare}
768 \newcommand{\sixcolumnfootstyle}[1]{%
769 \m@make@sixcolfootnotetext{#1}%
770 \m@make@mpsixcolfootnotetext{#1}%
771 \m@make@sixcolfootfmt{#1}%
772 \m@make@sixcol@footgroup{#1}%
773 \m@make@mpsixcol@footgroup{#1}%
774 \m@make@footstart{#1}%
775 \@namelongdef{\footnotetext#1}##1{%
776 \@nameuse{\@sixcolfootnotetext#1}{##1}}%
777 \@namelongdef{\mpfootnotetext#1}##1{%
778 \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
779 \@namedef{\footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%

```

```

780 \namedef{mp@footgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
781 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
782 \expandafter\count\csname footins#1\endcsname=500\relax}
783 \newcommand{\m@make@sixcolfootnotetext}[1]{%
784 \@namelongdef{@sixcolfootnotetext#1}##1{%
785 \insert\@nameuse{footins#1}{%
786 \def\baselinestretch{\m@m@footnote@spacing}%
787 \reset@font\@nameuse{foottextfont#1}%
788 \@preamfntext
789 \protected@edef\@currentlabel{%
790 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
791 \color@begingroup
792 \@nameuse{@sixcolfootfmt#1}##1}%
793 \color@endgroup}%
794 \m@mmf@prepare}}
795 \newcommand{\m@make@mpsixcolfootnotetext}[1]{%
796 \@namelongdef{@mpsixcolfootnotetext#1}##1{%
797 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
798 \unvbox\@nameuse{@mpfootins#1}
799 \def\baselinestretch{\m@m@footnote@spacing}%
800 \reset@font\@nameuse{foottextfont#1}%
801 \hsize\columnwidth \@parboxrestore
802 \protected@edef\@currentlabel{%
803 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
804 \color@begingroup
805 \@nameuse{@sixcolfootfmt#1}##1}%
806 \color@endgroup}\m@mmf@prepare}}
807 \newcommand{\m@make@sixcolfootfmt}[1]{%
808 \namedef{@sixcolfootfmt#1}##1{%
809 \@preamsixfmt
810 {\@nameuse{footfootmark#1}\strut
811 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
812 \newcommand{\m@make@sixcol@footgroup}[1]{%
813 \namedef{@sixcol@footgroup#1}{%
814 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
815 \m@r rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
816 \newcommand{\m@make@mpsixcol@footgroup}[1]{%
817 \@namedef{@mpsixcol@footgroup#1}{%
818 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
819 \m@r rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}}
820 \newcommand{\sevendcolumnfootnotes}{%
821 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
822 \let\@footnotetext\@sevendcolfootnotetext
823 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
824 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
825 \dimen\footinsv@r=7\footinsdim
826 \count\footinsv@r=142\relax
827 \m@make@sevendcol@footgroup{v@r}%
828 \let\@footgroupv@r\@sevendcol@footgroupv@r
829 \let\@mpfootnotetext\@mpsevendcolfootnotetext

```

```

830 \let\@mpLTRfootnotetext\@mpsevencolLTRfootnotetext
831 \let\@mpRTLfootnotetext\@mpsevencolRTLfootnotetext
832 \m@make@mpsevencol@footgroup{v@r}%
833 \let\mp@footgroupv@r\@mpsevencol@footgroupv@r}
834 \newcommand{\@sevencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}%
835 \def\baselinestretch{\m@m@footnote@spacing}%
836 \reset@font\foottextfont
837 \@preamfntext
838 \protected@edef\@currentlabel{%
839 \csname p@footnote\endcsname\@thefnmark}%
840 \color@begingroup
841 \@sevencolfootfmt{#1}%
842 \color@endgroup}%
843 \m@mmf@prepare}
844 \newcommand{\@sevencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi\@RTLtrue\else\@RTLfalse\fi}%
845 \def\baselinestretch{\m@m@footnote@spacing}%
846 \reset@font\foottextfont
847 \@preamfntext
848 \protected@edef\@currentlabel{%
849 \csname p@footnote\endcsname\@thefnmark}%
850 \color@begingroup
851 \@sevencolfootfmt{#1}%
852 \color@endgroup}%
853 \m@mmf@prepare}
854 \newcommand{\@sevencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue\else\@RTLfalse\fi}%
855 \def\baselinestretch{\m@m@footnote@spacing}%
856 \reset@font\foottextfont
857 \@preamfntext
858 \protected@edef\@currentlabel{%
859 \csname p@footnote\endcsname\@thefnmark}%
860 \color@begingroup
861 \@sevencolfootfmt{#1}%
862 \color@endgroup}%
863 \m@mmf@prepare}
864 \newcommand{\@preamsevenfmt}{%
865 \hspace .142\hspace
866 \parindent=\z@
867 \tolerance=5000\relax
868 % \raggedright
869 \leavevmode}
870 \newcommand{\@sevencolfootfmt}[1]{%
871 \@preamsevenfmt
872 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
873 \newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}%
874 \global\setbox\@mpfootinsv@r\vbox{%
875 \unvbox\@mpfootinsv@r
876 \def\baselinestretch{\m@m@footnote@spacing}%
877 \reset@font\foottextfont
878 \hspace\columnwidth \@parboxrestore
879 \protected@edef\@currentlabel{%

```

```

880     \csname p@mpfootnote\endcsname\@thefnmark}%
881   \color@begingroup
882     \@sevendcolfootfmt{#1}%
883   \color@endgroup}%
884   \m@mmf@prepare}
885 \newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
886   \global\setbox\@mpfootinsv@r\vbox{%
887     \unvbox\@mpfootinsv@r
888     \def\baselinestretch{\m@m@footnote@spacing}%
889     \reset@font\foottextfont
890     \hsize\columnwidth \@parboxrestore
891     \if@RTLcolumnfootnotes\beginL\fi
892     \protected@edef\@currentlabel{%
893       \csname p@mpfootnote\endcsname\@thefnmark}%
894     \color@begingroup
895       \@sevendcolfootfmt{#1}%
896     \color@endgroup}%
897     \m@mmf@prepare}
898 \newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
899   \global\setbox\@mpfootinsv@r\vbox{%
900     \unvbox\@mpfootinsv@r
901     \def\baselinestretch{\m@m@footnote@spacing}%
902     \reset@font\foottextfont
903     \hsize\columnwidth \@parboxrestore
904     \protected@edef\@currentlabel{%
905       \csname p@mpfootnote\endcsname\@thefnmark}%
906     \color@begingroup
907       \@sevendcolfootfmt{#1}%
908     \color@endgroup}%
909     \m@mmf@prepare}
910 \newcommand{\sevendcolumnfootstyle}[1]{%
911   \m@make@sevendcolfootnotetext{#1}%
912   \m@make@mpsevendcolfootnotetext{#1}%
913   \m@make@sevendcolfootfmt{#1}%
914   \m@make@sevendcol@footgroup{#1}%
915   \m@make@mpsevendcol@footgroup{#1}%
916   \m@make@footstart{#1}%
917   \@namelongdef{\@footnotetext#1}##1{%
918     \@nameuse{\@sevendcolfootnotetext#1}##1}%
919   \@namelongdef{\@mpfootnotetext#1}##1{%
920     \@nameuse{\@mpsevendcolfootnotetext#1}##1}%
921   \@namedef{\@footgroup#1}{\@nameuse{\@sevendcol@footgroup#1}}%
922   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsevendcol@footgroup#1}}%
923   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
924   \expandafter\count\csname footins#1\endcsname=500\relax}
925 \newcommand{\m@make@sevendcolfootnotetext}[1]{%
926   \@namelongdef{\@sevendcolfootnotetext#1}##1{%
927     \insert\@nameuse{footins#1}{%
928       \def\baselinestretch{\m@m@footnote@spacing}%
929       \reset@font\@nameuse{foottextfont#1}%

```

```

930 \@preamfntext
931 \protected@edef\@currentlabel{%
932 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
933 \color@begingroup
934 \@nameuse{@sevendcolfootfmt#1}{##1}%
935 \color@endgroup}%
936 \m@mmf@prepare}}
937 \newcommand{\m@make@mpsevendcolfootnotetext}[1]{%
938 \@namelongdef{@mpsevendcolfootnotetext#1}{##1}{%
939 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
940 \unvbox\@nameuse{@mpfootins#1}
941 \def\baselinestretch{\m@m@footnote@spacing}%
942 \reset@font\@nameuse{foottextfont#1}%
943 \hsize\columnwidth \@parboxrestore
944 \protected@edef\@currentlabel{%
945 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
946 \color@begingroup
947 \@nameuse{@sevendcolfootfmt#1}{##1}%
948 \color@endgroup}\m@mmf@prepare}}
949 \newcommand{\m@make@sevendcolfootfmt}[1]{%
950 \namedef{@sevendcolfootfmt#1}{##1}{%
951 \@preamsevenfmt
952 {\@nameuse{footfootmark#1}\strut
953 {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
954 \newcommand{\m@make@sevendcol@footgroup}[1]{%
955 \namedef{@sevendcol@footgroup#1}{{%
956 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
957 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
958 \newcommand{\m@make@mpsevendcol@footgroup}[1]{%
959 \@namedef{@mpsevendcol@footgroup#1}{{%
960 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
961 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
962 \newcommand{\eightcolumnfootnotes}{%
963 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
964 \let\@footnotetext\@eightcolfootnotetext
965 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
966 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
967 \dimen\footinsv@r=8\footinsdim
968 \count\footinsv@r=125\relax
969 \m@make@eightcol@footgroup{v@r}%
970 \let\@footgroupv@r\@eightcol@footgroupv@r
971 \let\@mpfootnotetext\@mpeightcolfootnotetext
972 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
973 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
974 \m@make@mpeightcol@footgroup{v@r}%
975 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
976 \newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse}}
977 \def\baselinestretch{\m@m@footnote@spacing}%
978 \reset@font\foottextfont
979 \@preamfntext

```

```

980 \protected@edef\@currentlabel{%
981   \csname p@footnote\endcsname\@thefnmark}%
982 \color@begingroup
983   \@eightcolfootfmt{#1}%
984 \color@endgroup}%
985 \m@mmf@prepare}
986 \newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi\@R
987 \def\baselinestretch{\m@m@footnote@spacing}%
988 \reset@font\foottextfont
989 \@preamfntext
990 \protected@edef\@currentlabel{%
991   \csname p@footnote\endcsname\@thefnmark}%
992 \color@begingroup
993   \@eightcolfootfmt{#1}%
994 \color@endgroup}%
995 \m@mmf@prepare}
996 \newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
997 \def\baselinestretch{\m@m@footnote@spacing}%
998 \reset@font\foottextfont
999 \@preamfntext
1000 \protected@edef\@currentlabel{%
1001   \csname p@footnote\endcsname\@thefnmark}%
1002 \color@begingroup
1003   \@eightcolfootfmt{#1}%
1004 \color@endgroup}%
1005 \m@mmf@prepare}
1006 \newcommand{\@preameightfmt}{%
1007   \hsize .125\hsize
1008   \parindent=\z@
1009   \tolerance=5000\relax
1010 % \raggedright
1011 \leavevmode}
1012 \newcommand{\@eightcolfootfmt}[1]{%
1013   \@preameightfmt
1014   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
1015 \newcommand{\@mpeightcolfootnotetext}[1]{%
1016 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1017   \unvbox\@mpfootinsv@r
1018   \def\baselinestretch{\m@m@footnote@spacing}%
1019   \reset@font\foottextfont
1020   \hsize\columnwidth \@parboxrestore
1021   \protected@edef\@currentlabel{%
1022     \csname p@mpfootnote\endcsname\@thefnmark}%
1023   \color@begingroup
1024     \@eightcolfootfmt{#1}%
1025   \color@endgroup}%
1026   \m@mmf@prepare}
1027 \newcommand{\@mpeightcolLTRfootnotetext}[1]{%
1028 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
1029   \unvbox\@mpfootinsv@r

```

```

1030 \def\baselinestretch{\m@m@footnote@spacing}%
1031 \reset@font\foottextfont
1032 \hsize\columnwidth \@parboxrestore
1033 \if@RTLcolumnfootnotes\beginL\fi
1034 \protected@edef\@currentlabel{%
1035   \csname p@mpfootnote\endcsname\@thefnmark}%
1036 \color@begingroup
1037   \@eightcolfootfmt{#1}%
1038 \color@endgroup}%
1039 \m@mmf@prepare}
1040 \newcommand{\@mpeightcolRTLfootnotetext}[1]{%
1041   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
1042     \unvbox\@mpfootinsv@r
1043     \def\baselinestretch{\m@m@footnote@spacing}%
1044     \reset@font\foottextfont
1045     \hsize\columnwidth \@parboxrestore
1046     \protected@edef\@currentlabel{%
1047       \csname p@mpfootnote\endcsname\@thefnmark}%
1048     \color@begingroup
1049       \@eightcolfootfmt{#1}%
1050     \color@endgroup}%
1051     \m@mmf@prepare}
1052 \newcommand{\eightcolumnfootstyle}[1]{%
1053   \m@make@eightcolfootnotetext{#1}%
1054   \m@make@mpeightcolfootnotetext{#1}%
1055   \m@make@eightcolfootfmt{#1}%
1056   \m@make@eightcol@footgroup{#1}%
1057   \m@make@mpeightcol@footgroup{#1}%
1058   \m@make@footstart{#1}%
1059   \@namelongdef{\@footnotetext#1}##1{%
1060     \@nameuse{\@eightcolfootnotetext#1}{##1}}%
1061   \@namelongdef{\@mpfootnotetext#1}##1{%
1062     \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
1063   \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
1064   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
1065   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
1066   \expandafter\count\csname footins#1\endcsname=500\relax}
1067 \newcommand{\m@make@eightcolfootnotetext}[1]{%
1068   \@namelongdef{\@eightcolfootnotetext#1}##1{%
1069     \insert\@nameuse{footins#1}{%
1070       \def\baselinestretch{\m@m@footnote@spacing}%
1071       \reset@font\@nameuse{foottextfont#1}%
1072       \@preamfntext
1073       \protected@edef\@currentlabel{%
1074         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
1075       \color@begingroup
1076         \@nameuse{\@eightcolfootfmt#1}{##1}%
1077       \color@endgroup}%
1078       \m@mmf@prepare}}
1079 \newcommand{\m@make@mpeightcolfootnotetext}[1]{%

```

```

1080 \@namelongdef{@mpeightcolfootnotetext#1}##1{%
1081   \global\setbox{@nameuse{@mpfootins#1}}\vbox{%
1082     \unvbox{@nameuse{@mpfootins#1}}
1083     \def\baselinestretch{\m@m@footnote@spacing}%
1084     \reset@font{@nameuse{foottextfont#1}}%
1085     \hsize\columnwidth \@parboxrestore
1086     \protected@edef{@currentlabel{%
1087       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
1088     \color@begingroup
1089     \@nameuse{@eightcolfootfmt#1}{##1}%
1090     \color@endgroup}\m@mmf@prepare}}
1091 \newcommand{\m@make@eightcolfootfmt}[1]{%
1092   \@namedef{@eightcolfootfmt#1}##1{%
1093     \@preameightfmt
1094     {\@nameuse{footfootmark#1}}\strut
1095     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
1096 \newcommand{\m@make@eightcol@footgroup}[1]{%
1097   \@namedef{@eightcol@footgroup#1}{%
1098     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
1099     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
1100 \newcommand{\m@make@mpeightcol@footgroup}[1]{%
1101   \@namedef{@mpeightcol@footgroup#1}{%
1102     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
1103     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
1104 \newcommand{\ninescolumnfootnotes}{%
1105   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
1106   \let\@footnotetext\@ninescolfootnotetext
1107   \let\@LTRfootnotetext\@ninescolLTRfootnotetext
1108   \let\@RTLfootnotetext\@ninescolRTLfootnotetext
1109   \dimen\footinsv@r=9\footinsdim
1110   \count\footinsv@r=111\relax
1111   \m@make@ninescol@footgroup{v@r}%
1112   \let\@footgroupv@r\@ninescol@footgroupv@r
1113   \let\@mpfootnotetext\@mpninescolfootnotetext
1114   \let\@mpLTRfootnotetext\@mpninescolLTRfootnotetext
1115   \let\@mpRTLfootnotetext\@mpninescolRTLfootnotetext
1116   \m@make@mpninescol@footgroup{v@r}%
1117   \let\mp@footgroupv@r\@mpninescol@footgroupv@r}
1118 \newcommand{\@ninescolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse
1119   \def\baselinestretch{\m@m@footnote@spacing}%
1120   \reset@font\foottextfont
1121   \@preamfntext
1122   \protected@edef{@currentlabel{%
1123     \csname p@footnote\endcsname\@thefnmark}}%
1124   \color@begingroup
1125   \@ninescolfootfmt{#1}%
1126   \color@endgroup}%
1127   \m@mmf@prepare}
1128 \newcommand{\@ninescolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi\@RTL
1129   \def\baselinestretch{\m@m@footnote@spacing}%

```



```

1130 \reset@font\foottextfont
1131 \@preamfntext
1132 \protected@edef\@currentlabel{%
1133   \csname p@footnote\endcsname\@thefnmark}%
1134 \color@begingroup
1135   \@ninecolfootfmt{#1}%
1136 \color@endgroup}%
1137 \m@mmf@prepare}
1138 \newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
1139 \def\baselinestretch{\m@m@footnote@spacing}%
1140 \reset@font\foottextfont
1141 \@preamfntext
1142 \protected@edef\@currentlabel{%
1143   \csname p@footnote\endcsname\@thefnmark}%
1144 \color@begingroup
1145   \@ninecolfootfmt{#1}%
1146 \color@endgroup}%
1147 \m@mmf@prepare}
1148 \newcommand{\@preamninefmt}{%
1149 \hsize .1\hsize
1150 \parindent=\z@
1151 \tolerance=5000\relax
1152 % \raggedright
1153 \leavevmode}
1154 \newcommand{\@ninecolfootfmt}[1]{%
1155   \@preamninefmt
1156   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
1157 \newcommand{\@mpninecolfootnotetext}[1]{%
1158 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1159   \unvbox\@mpfootinsv@r
1160   \def\baselinestretch{\m@m@footnote@spacing}%
1161   \reset@font\foottextfont
1162   \hsize\columnwidth \@parboxrestore
1163   \protected@edef\@currentlabel{%
1164     \csname p@mpfootnote\endcsname\@thefnmark}%
1165   \color@begingroup
1166     \@ninecolfootfmt{#1}%
1167   \color@endgroup}%
1168   \m@mmf@prepare}
1169 \newcommand{\@mpninecolLTRfootnotetext}[1]{%
1170 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
1171   \unvbox\@mpfootinsv@r
1172   \def\baselinestretch{\m@m@footnote@spacing}%
1173   \reset@font\foottextfont
1174   \hsize\columnwidth \@parboxrestore
1175   \if@RTLcolumnfootnotes\beginL\fi
1176   \protected@edef\@currentlabel{%
1177     \csname p@mpfootnote\endcsname\@thefnmark}%
1178   \color@begingroup
1179     \@ninecolfootfmt{#1}%

```

```

1180 \color@endgroup}%
1181 \m@mmf@prepare}
1182 \newcommand{\@mpninecolRTLfootnotetext}[1]{%
1183 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
1184 \unvbox\@mpfootinsv@r
1185 \def\baselinestretch{\m@m@footnote@spacing}%
1186 \reset@font\foottextfont
1187 \hsize\columnwidth \@parboxrestore
1188 \protected@edef\@currentlabel{%
1189 \csname p@mpfootnote\endcsname\@thefnmark}%
1190 \color@begingroup
1191 \@ninecolfootfmt{#1}%
1192 \color@endgroup}%
1193 \m@mmf@prepare}
1194 \newcommand{\ninecolumnfootstyle}[1]{%
1195 \m@make@ninecolfootnotetext{#1}%
1196 \m@make@mpninecolfootnotetext{#1}%
1197 \m@make@ninecolfootfmt{#1}%
1198 \m@make@ninecol@footgroup{#1}%
1199 \m@make@mpninecol@footgroup{#1}%
1200 \m@make@footstart{#1}%
1201 \@namelongdef{\@footnotetext#1}##1{%
1202 \@nameuse{\@ninecolfootnotetext#1}{##1}}%
1203 \@namelongdef{\@mpfootnotetext#1}##1{%
1204 \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
1205 \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
1206 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
1207 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
1208 \expandafter\count\csname footins#1\endcsname=500\relax}
1209 \newcommand{\m@make@ninecolfootnotetext}[1]{%
1210 \@namelongdef{\@ninecolfootnotetext#1}##1{%
1211 \insert\@nameuse{footins#1}{-}%
1212 \def\baselinestretch{\m@m@footnote@spacing}%
1213 \reset@font\@nameuse{foottextfont#1}%
1214 \@preamfntext
1215 \protected@edef\@currentlabel{%
1216 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
1217 \color@begingroup
1218 \@nameuse{\@ninecolfootfmt#1}{##1}%
1219 \color@endgroup}%
1220 \m@mmf@prepare}}
1221 \newcommand{\m@make@mpninecolfootnotetext}[1]{%
1222 \@namelongdef{\@mpninecolfootnotetext#1}##1{%
1223 \global\setbox\@nameuse{\@mpfootins#1}\@vbox{%
1224 \unvbox\@nameuse{\@mpfootins#1}
1225 \def\baselinestretch{\m@m@footnote@spacing}%
1226 \reset@font\@nameuse{foottextfont#1}%
1227 \hsize\columnwidth \@parboxrestore
1228 \protected@edef\@currentlabel{%
1229 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%

```

```

1230 \color@begingroup
1231   \@nameuse{@ninecolfootfmt#1}{##1}%
1232 \color@endgroup}\m@mmf@prepare}
1233 \newcommand{\m@make@ninecolfootfmt}[1]{%
1234   \@namedef{@ninecolfootfmt#1}##1{%
1235     \@preamninefmt
1236     {\@nameuse{footfootmark#1}\strut
1237       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
1238 \newcommand{\m@make@ninecol@footgroup}[1]{%
1239   \@namedef{@ninecol@footgroup#1}{%
1240     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
1241     \m@rigrigidbodybalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
1242 \newcommand{\m@make@mpninecol@footgroup}[1]{%
1243   \@namedef{@mpninecol@footgroup#1}{%
1244     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
1245     \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}
1246 \newcommand{\tencolumnfootnotes}{%
1247   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
1248   \let\@footnotetext\@tencolfootnotetext
1249   \let\@LTRfootnotetext\@tencolLTRfootnotetext
1250   \let\@RTLfootnotetext\@tencolRTLfootnotetext
1251   \dimen\footinsv@r=10\footinsdim
1252   \count\footinsv@r=100\relax
1253   \m@make@tencol@footgroup{v@r}%
1254   \let\@footgroupv@r\@tencol@footgroupv@r
1255   \let\@mpfootnotetext\@mptencolfootnotetext
1256   \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
1257   \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
1258   \m@make@mptencol@footgroup{v@r}%
1259   \let\@mp@footgroupv@r\@mptencol@footgroupv@r}
1260 \newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\else\@RTLfalse
1261   \def\baselinestretch{\m@m@footnote@spacing}%
1262   \reset@font\foottextfont
1263   \@preamfntext
1264   \protected@edef\@currentlabel{%
1265     \csname p@footnote\endcsname\@thefnmark}%
1266   \color@begingroup
1267     \@tencolfootfmt{#1}%
1268   \color@endgroup}%
1269   \m@mmf@prepare}
1270 \newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\beginL\fi\@RTL
1271   \def\baselinestretch{\m@m@footnote@spacing}%
1272   \reset@font\foottextfont
1273   \@preamfntext
1274   \protected@edef\@currentlabel{%
1275     \csname p@footnote\endcsname\@thefnmark}%
1276   \color@begingroup
1277     \@tencolfootfmt{#1}%
1278   \color@endgroup}%
1279   \m@mmf@prepare}

```

```

1280 \newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
1281 \def\baselinestretch{\m@m@footnote@spacing}%
1282 \reset@font\foottextfont
1283 \@preamfntext
1284 \protected@edef\@currentlabel{%
1285 \csname p@footnote\endcsname\@thefnmark}%
1286 \color@begingroup
1287 \@tencolfootfmt{#1}%
1288 \color@endgroup}%
1289 \m@mmf@prepare}
1290 \newcommand{\@preamtenfmt}{%
1291 \hspace .1\hspace
1292 \parindent=\z@
1293 \tolerance=5000\relax
1294 % \raggedright
1295 \leavevmode}
1296 \newcommand{\@tencolfootfmt}[1]{%
1297 \@preamtenfmt
1298 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
1299 \newcommand{\@mptencolfootnotetext}[1]{%
1300 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1301 \unvbox\@mpfootinsv@r
1302 \def\baselinestretch{\m@m@footnote@spacing}%
1303 \reset@font\foottextfont
1304 \hspace\columnwidth \@parboxrestore
1305 \protected@edef\@currentlabel{%
1306 \csname p@mpfootnote\endcsname\@thefnmark}%
1307 \color@begingroup
1308 \@tencolfootfmt{#1}%
1309 \color@endgroup}%
1310 \m@mmf@prepare}
1311 \newcommand{\@mptencolLTRfootnotetext}[1]{%
1312 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
1313 \unvbox\@mpfootinsv@r
1314 \def\baselinestretch{\m@m@footnote@spacing}%
1315 \reset@font\foottextfont
1316 \hspace\columnwidth \@parboxrestore
1317 \if@RTLcolumnfootnotes\beginL\fi
1318 \protected@edef\@currentlabel{%
1319 \csname p@mpfootnote\endcsname\@thefnmark}%
1320 \color@begingroup
1321 \@tencolfootfmt{#1}%
1322 \color@endgroup}%
1323 \m@mmf@prepare}
1324 \newcommand{\@mptencolRTLfootnotetext}[1]{%
1325 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
1326 \unvbox\@mpfootinsv@r
1327 \def\baselinestretch{\m@m@footnote@spacing}%
1328 \reset@font\foottextfont
1329 \hspace\columnwidth \@parboxrestore

```

```

1330 \protected@edef\@currentlabel{%
1331 \csname p@mpfootnote\endcsname\@thefnmark}%
1332 \color@begingroup
1333 \@tencolfootfmt{#1}%
1334 \color@endgroup}%
1335 \m@mmf@prepare}
1336 \newcommand{\tencolumnfootstyle}[1]{%
1337 \m@make@tencolfootnotetext{#1}%
1338 \m@make@mptencolfootnotetext{#1}%
1339 \m@make@tencolfootfmt{#1}%
1340 \m@make@tencol@footgroup{#1}%
1341 \m@make@mptencol@footgroup{#1}%
1342 \m@make@footstart{#1}%
1343 \@namelongdef{\@footnotetext#1}##1{%
1344 \@nameuse{\@tencolfootnotetext#1}{##1}}%
1345 \@namelongdef{\@mpfootnotetext#1}##1{%
1346 \@nameuse{\@mptencolfootnotetext#1}{##1}}%
1347 \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
1348 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
1349 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
1350 \expandafter\count\csname footins#1\endcsname=500\relax}
1351 \newcommand{\m@make@tencolfootnotetext}[1]{%
1352 \@namelongdef{\@tencolfootnotetext#1}##1{%
1353 \insert\@nameuse{footins#1}{-}%
1354 \def\baselinestretch{\m@m@footnote@spacing}%
1355 \reset@font\@nameuse{foottextfont#1}%
1356 \@preamfntext
1357 \protected@edef\@currentlabel{%
1358 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
1359 \color@begingroup
1360 \@nameuse{\@tencolfootfmt#1}{##1}%
1361 \color@endgroup}%
1362 \m@mmf@prepare}}
1363 \newcommand{\m@make@mptencolfootnotetext}[1]{%
1364 \@namelongdef{\@mptencolfootnotetext#1}##1{%
1365 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
1366 \unvbox\@nameuse{\@mpfootins#1}
1367 \def\baselinestretch{\m@m@footnote@spacing}%
1368 \reset@font\@nameuse{foottextfont#1}%
1369 \hsize\columnwidth \@parboxrestore
1370 \protected@edef\@currentlabel{%
1371 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
1372 \color@begingroup
1373 \@nameuse{\@tencolfootfmt#1}{##1}%
1374 \color@endgroup}\m@mmf@prepare}}
1375 \newcommand{\m@make@tencolfootfmt}[1]{%
1376 \@namedef{\@tencolfootfmt#1}##1{%
1377 \@preamtenfmt
1378 {\@nameuse{footfootmark#1}\strut
1379 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}

```

```

1380 \newcommand{\m@make@tencol@footgroup}[1]{%
1381   \@namedef{@tencol@footgroup#1}{%
1382     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
1383     \m@rigrigidbodybalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
1384 \newcommand{\m@make@mptencol@footgroup}[1]{%
1385   \@namedef{@mptencol@footgroup#1}{%
1386     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
1387     \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}}}
1388 \newcommand{\m@munvxh}[1]{%
1389   \setbox0=\vbox{\unvbox#1}
1390   \global\setbox1=\lastbox}%
1391   \unhbox1
1392   \unskip
1393   \unskip
1394   \unpenalty
1395   \hskip\m@mipn@skip}
1396 \newcommand{\m@mungebox}{%
1397   \setbox0=\hbox{\m@munvxh0}%
1398   \dp0=\z@
1399   \ht0=\footfudgefactor\wd0
1400   \box0
1401   \penalty0}
1402 \newskip\m@mipn@skip
1403 \newcommand*{\m@minterparanoteglu}[1]{%
1404   {\foottextfont\global\m@mipn@skip=#1\relax}}
1405 \m@minterparanoteglu{1em plus.4em minus.4em}
1406 \newcommand*{\m@mmakehboxofhboxes}{\setbox0=\hbox{}}%
1407   \loop
1408     \unpenalty
1409     \setbox2=\lastbox
1410     \ifhbox2
1411       \setbox0=\hbox{\box2\unhbox0}
1412     \repeat}
1413 \newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
1414   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
1415 \newcommand*{\footfudgefiddle}{64}
1416 \newcommand{\paragraphfootnotes}{%
1417   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
1418   \let\@footnotetext\@parafootnotetext
1419   \dimen\footinsv@r=\footinsdim
1420   \count\footinsv@r=1000\relax
1421   \m@make@para@footgroup{v@r}%
1422   \let\@footgroupv@r\@para@footgroupv@r
1423   \let\@mpfootnotetext\@mpparafootnotetext
1424   \m@make@mppara@footgroup{v@r}%
1425   \let\mp@footgroupv@r\@mppara@footgroupv@r
1426   {\foottextfont
1427     \dimen0=\baselineskip
1428     \multiply\dimen0 by 1024
1429     \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle

```

```

1430 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}
1431 \newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{
1432 \def\baselinestretch{\m@m@footnote@spacing}%
1433 \reset@font\foottextfont
1434 \@preamfntext
1435 \protected@edef\@currentlabel{%
1436 \csname p@footnote\endcsname\@thefnmark}%
1437 \setbox0=\vbox{\hsize=\maxdimen
1438 \color@begingroup
1439 \noindent \@parafootfmt{#1}%
1440 \color@endgroup}%
1441 \m@mungebox}\m@mmf@prepare}
1442 \newcommand{\@parafootfmt}[1]{%
1443 \parindent=\z@
1444 \parfillskip=0pt \@plus 1fil
1445 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
1446 \newcommand{\@mpparafootnotetext}[1]{%
1447 \global\setbox\@mpfootinsv@r\vbox{%
1448 \unvbox\@mpfootinsv@r
1449 \def\baselinestretch{\m@m@footnote@spacing}%
1450 \reset@font\foottextfont
1451 \hsize\columnwidth \@parboxrestore
1452 \protected@edef\@currentlabel{%
1453 \csname p@mpfootnote\endcsname\@thefnmark}%
1454 \setbox0=\vbox{\hsize=\maxdimen
1455 \color@begingroup
1456 \noindent \@parafootfmt{#1}%
1457 \color@endgroup}%
1458 \m@mungebox}\m@mmf@prepare}
1459 \newcommand{\paragraphfootstyle}[1]{%
1460 \m@make@parafootnotetext{#1}%
1461 \m@make@mpparafootnotetext{#1}%
1462 \m@make@parafootfmt{#1}%
1463 \m@make@para@footgroup{#1}%
1464 \m@make@mppara@footgroup{#1}%
1465 \m@make@para@footstart{#1}%
1466 \@namelongdef{@footnotetext#1}##1{%
1467 \@nameuse{@parafootnotetext#1}{##1}}%
1468 \@namelongdef{@mpfootnotetext#1}##1{%
1469 \@nameuse{@mpparafootnotetext#1}{##1}}%
1470 \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
1471 \@namedef{@mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
1472 \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
1473 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
1474 \expandafter\count\csname footins#1\endcsname=1000\relax
1475 {\@nameuse{foottextfont#1}%
1476 \dimen0=\baselineskip
1477 \multiply\dimen0 by 1024
1478 \divide\dimen0 by \hsize \multiply\dimen0 by 64
1479 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}

```

```

1480 \newcommand{\m@make@parafootnotetext}[1]{%
1481 \@namelongdef{@parafootnotetext#1}##1{%
1482   \insert\@nameuse{footins#1}{
1483     \def\baselinestretch{\m@m@footnote@spacing}%
1484     \reset@font\@nameuse{foottextfont#1}%
1485     \@preamfntext
1486     \protected@edef\@currentlabel{%
1487       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
1488     \setbox0=\vbox{\hsize=\maxdimen
1489       \color@begingroup
1490         \noindent \@nameuse{@parafootfmt#1}{##1}%
1491         \color@endgroup}%
1492     \m@mungebox}\m@mmf@prepare}}
1493 \newcommand{\m@make@mpparafootnotetext}[1]{%
1494 \@namelongdef{@mpparafootnotetext#1}##1{%
1495   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
1496     \unvbox\@nameuse{@mpfootins#1}
1497     \def\baselinestretch{\m@m@footnote@spacing}%
1498     \reset@font\@nameuse{foottextfont#1}%
1499     \hsize\columnwidth \@parboxrestore
1500     \protected@edef\@currentlabel{%
1501       \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
1502     \setbox0=\vbox{\hsize=\maxdimen
1503       \color@begingroup
1504         \noindent \@nameuse{@parafootfmt#1}{##1}%
1505         \color@endgroup}%
1506     \m@mungebox}\m@mmf@prepare}}
1507 \newcommand{\m@make@parafootfmt}[1]{%
1508 \@namelongdef{@parafootfmt#1}##1{%
1509   \parindent=\z@
1510   \parfillskip=0pt \@plus 1fil
1511   {\@nameuse{footfootmark#1}\strut
1512     {\@nameuse{foottextfont#1}##1}\penalty-10}}
1513 \newcommand{\m@make@para@footgroup}[1]{%
1514 \@namedef{@para@footgroup#1}{%
1515   \unvbox\@nameuse{footins#1}
1516   \m@mmakehboxofhboxes
1517   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
1518   \@nameuse{foottextfont#1}%
1519   \noindent\unhbox0\par}}
1520 \newcommand{\m@make@mppara@footgroup}[1]{%
1521 \@namedef{@mppara@footgroup#1}{%
1522   \unvbox\@nameuse{@mpfootins#1}
1523   \m@mmakehboxofhboxes
1524   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
1525   \@nameuse{foottextfont#1}%
1526   \noindent\unhbox0\par}}
1527 \newcommand{\m@make@para@footstart}[1]{%
1528 \@namedef{@para@footstart#1}{%
1529   \vskip\bigskipamount

```



```

1530 \leftskip=\z@
1531 \rightskip=\z@
1532 \parindent=\z@
1533 \vskip\skip\@nameuse{footins#1}%
1534 \footnoterule}}
1535 \newcommand*\m@m@makecolfloats}{%
1536 \xdef\@freelist{\@freelist\@midlist}%
1537 \global\let\@midlist\@empty
1538 \@combinefloats}
1539 \newcommand*\m@m@makecoltext}{%
1540 \ifvbox\@kludgeins
1541 \@makespecialcolbox
1542 \else
1543 \setbox\@outputbox \vbox to\@colht{%
1544 \@texttop
1545 \dimen@ \dp\@outputbox
1546 \unvbox \@outputbox
1547 \vskip -\dimen@
1548 \@textbottom}%
1549 \fi}
1550 \newcommand*\m@m@makecolintro}{%
1551 \newcommand*\m@mopfootnote}{\setbox\@outputbox \vbox{%
1552 \boxmaxdepth\@maxdepth
1553 \@tempdima\dp\@cclv
1554 \unvbox\@cclv
1555 \vskip-\@tempdima
1556 \vskip \skip\footins
1557 \color@begingroup
1558 \normalcolor
1559 \footnoterule
1560 \unvbox \footins
1561 \color@endgroup}}
1562 \newcommand*\m@mopsidebar}{%
1563 \ifvoid\sideins\else
1564 \setbox\@outputbox \vbox{%
1565 \sidecontents
1566 \unvbox\@outputbox}
1567 \fi}
1568 \gdef\mem@makecol{%
1569 \m@m@makecolintro
1570 \ifvoid\footins
1571 \setbox\@outputbox \box\@cclv
1572 \else
1573 \m@mopfootnote
1574 \fi
1575 \m@m@doextrafeet
1576 \m@m@makecolfloats
1577 \m@mopsidebar
1578 \m@m@makecoltext
1579 \global \maxdepth \@maxdepth}

```

```

1580 \newcommand{\feetabovefloat}{\gdef\@makecol{\mem@makecol}}
1581 \feetabovefloat%

```

### 7.36 extreport-xetex-bidi.def

```

1 \ProvidesFile{extreport-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extreport class for Xe
2 \renewcommand*\l@part[2]{%
3   \ifnum \c@tocdepth >-2\relax
4     \addpenalty{-\@highpenalty}%
5     \addvspace{2.25em \@plus\p@}%
6     \begingroup
7       \setlength\@tempdima{3em}%
8       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9       \parfillskip -\@pnumwidth
10      {\leavevmode
11        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
12        \nobreak
13        \global\@nobreaktrue
14        \everypar{\global\@nobreakfalse\everypar{}}%
15      \endgroup
16    \fi}
17 \renewcommand*\l@chapter[2]{%
18   \ifnum \c@tocdepth >\m@ne
19     \addpenalty{-\@highpenalty}%
20     \vskip 1.0em \@plus\p@
21     \setlength\@tempdima{1.5em}%
22     \begingroup
23       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
24       \parfillskip -\@pnumwidth
25       \leavevmode \bfseries
26       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
27       \hskip -\if@RTL\rightskip\else\leftskip\fi
28       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
29       \penalty\@highpenalty
30     \endgroup
31     \fi}
32 \def\@makechapterhead#1{%
33   \vspace*{50\p@}%
34   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
35     \ifnum \c@secnumdepth >\m@ne
36       \huge\bfseries \@chapapp\space \thechapter
37       \par\nobreak
38       \vskip 20\p@
39     \fi
40     \interlinepenalty\@M
41     \Huge \bfseries #1\par\nobreak
42     \vskip 40\p@
43   }}
44 \def\@makeschapterhead#1{%
45   \vspace*{50\p@}%

```

```

46 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
47 \normalfont
48 \interlinepenalty\@M
49 \Huge \bfseries #1\par\nobreak
50 \vskip 40\p@
51 }}
52 \renewcommand\left@footnote{%
53 \kern-3\p@
54 \hrule\@width.4\columnwidth
55 \kern2.6\p@}
56 \renewcommand\right@footnote{%
57 \hbox to \columnwidth
58 {\beginR \vbox{%
59 \kern-3\p@
60 \hrule\@width.4\columnwidth
61 \kern2.6\p@}\hfil\endR}}
62 \renewenvironment{thebibliography}[1]
63 {\chapter*{\bibname
64 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
65 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
66 \list{\@biblabel{\@arabic\c@enumiv}}%
67 {\settowidth\labelwidth{\@biblabel{#1}}%
68 \leftmargin\labelwidth
69 \advance\leftmargin\labelsep
70 \openbib@code
71 \usecounter{enumiv}%
72 \let\p@enumiv\@empty
73 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
74 \sloppy\clubpenalty4000\widowpenalty4000%
75 \sfcode`.\@m}
76 {\def\@noitemerr
77 {\@latex@warning{Empty `thebibliography' environment}}%
78 \endlist}
79 \if@titlepage
80 \renewcommand\maketitle{\begin{titlepage}%
81 \let\footnotesize\small
82 \let\right@footnote\relax
83 \let\left@footnote\relax
84 \let\textwidth@footnote\relax
85 \let \footnote \thanks
86 \null\vfil
87 \vskip 60\p@
88 \begin{center}%
89 {\LARGE \@title \par}%
90 \vskip 3em%
91 {\large
92 \lineskip .75em%
93 \begin{tabular}[t]{c}%
94 \@author
95 \end{tabular}\par}%

```

```

96     \vskip 1.5em%
97     {\large \@date \par}%      % Set date in \large size.
98 \end{center}\par
99 \thanks
100 \vfil\null
101 \end{titlepage}%
102 \setcounter{footnote}{0}%
103 \global\let\thanks\relax
104 \global\let\maketitle\relax
105 \global\let\@thanks\@empty
106 \global\let\@author\@empty
107 \global\let\@date\@empty
108 \global\let\@title\@empty
109 \global\let\title\relax
110 \global\let\author\relax
111 \global\let\date\relax
112 \global\let\and\relax
113 }
114 \else
115 \renewcommand\maketitle{\par
116 \begingroup
117 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
118 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
119 \long\def\@makefntext##1{\parindent 1em\noindent
120     \hb@xt@1.8em{%
121         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
122 \if@twocolumn
123     \ifnum \col@number=\@ne
124         \@maketitle
125     \else
126         \twocolumn[\@maketitle]%
127     \fi
128 \else
129     \newpage
130     \global\@topnum\z@    % Prevents figures from going at top of page.
131     \@maketitle
132     \fi
133     \thispagestyle{plain}\@thanks
134 \endgroup
135 \setcounter{footnote}{0}%
136 \global\let\thanks\relax
137 \global\let\maketitle\relax
138 \global\let\@maketitle\relax
139 \global\let\@thanks\@empty
140 \global\let\@author\@empty
141 \global\let\@date\@empty
142 \global\let\@title\@empty
143 \global\let\title\relax
144 \global\let\author\relax
145 \global\let\date\relax

```

```

146 \global\let\and\relax
147 }
148 \def\@maketitle{%
149 \newpage
150 \null
151 \vskip 2em%
152 \begin{center}%
153 \let \footnote \thanks
154 {\LARGE \@title \par}%
155 \vskip 1.5em%
156 {\large
157 \lineskip .5em%
158 \begin{tabular}[t]{c}%
159 \@author
160 \end{tabular}\par}%
161 \vskip 1em%
162 {\large \@date}%
163 \end{center}%
164 \par
165 \vskip 1.5em}
166 \fi
167 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
168 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
169 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
170 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
171 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
172 \renewcommand\theequation{%
173 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
174 \renewcommand\thefigure{%
175 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
176 \renewcommand\thetable{%
177 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

### 7.37 fancyhdr-xetex-bidi.def

```

1 \ProvidesFile{fancyhdr-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for fancyhdr package for Xe
2 \let\fnch@everypar\everypar%
3 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hbox t
4 \@fancyvbox\headheight{\hbox
5 {\rlap{\parbox[b]{\headwidth}{\raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLmain\endR\
6 \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else\end
7 \llap{\parbox[b]{\headwidth}{\raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLmain\endR\
8 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hbox t
9 \@fancyvbox\footskip{\footrule
10 \hbox{\rlap{\parbox[t]{\headwidth}{\raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLmain
11 \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else\end
12 \llap{\parbox[t]{\headwidth}{\raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLmain\endR

```

### 7.38 fleqn-xetex-bidi.def

```

1 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX engine]

```

```

2 \renewcommand\[{ \relax
3     \ifmmode \@badmath
4     \else
5         \begin{trivlist}%
6             \@beginparpenalty\predisplaypenalty
7             \@endparpenalty\postdisplaypenalty
8             \item[] \leavevmode
9             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10                \hskip\mathindent\bgroup
11         \fi}
12 \renewcommand\]{ \relax
13     \ifmmode
14         \egroup $\hfil% $
15         \endL\egroup
16         \end{trivlist}%
17     \else \@badmath
18     \fi}
19 \renewenvironment{equation}%
20     {\@beginparpenalty\predisplaypenalty
21     \@endparpenalty\postdisplaypenalty
22     \refstepcounter{equation}%
23     \trivlist \item[] \leavevmode
24     \hb@xt@\linewidth\bgroup \beginL $ \m@th% $
25     \displaystyle
26     \hskip\mathindent}%
27     {$\hfil % $
28     \displaywidth\linewidth\hbox{\@eqnnum}%
29     \endL\egroup
30     \endtrivlist}

```

### 7.39 float-xetex-bidi.def

```

1 \ProvidesFile{float-xetex-bidi.def}[2011/02/06 v0.1 bidi adaptations for float package for XeTeX eng
2 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\{\@fs@cfont #1:} #2}%
3 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
4 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}

```

### 7.40 flowfram-xetex-bidi.def

```

1 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for Xe
2 \def\@outputdblcol{%
3 \@nxtcol=\c@thisframe
4 \c@curpg=\c@page
5 \@g@tnextcol{\@nxtcol}%
6 \if@ff@nwpng % next flow frame starts on new page
7 \global\@firstcolumntrue
8 \setcolbox\c@thisframe
9 \if@specialpage
10 \global\@specialpagefalse
11 \nameuse{ps@\@specialstyle}\relax
12 \fi}

```

```

13 \if@twoside
14   \ifodd\count\z@
15     \let\@thehead\@oddhead
16     \let\@thefoot\@oddfoot
17   \else
18     \let\@thehead\@evenhead
19     \let\@thefoot\@evenfoot
20   \fi
21 \else
22   \let\@thehead\@oddhead
23   \let\@thefoot\@oddfoot
24 \fi
25 \@beginndvi
26 \@dynamicthehead\@dynamicthefoot
27 \vbadness=\@M
28 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
29 \@combinedblfloats
30 \@outputpage
31 \advance\c@curpg by -\c@page\relax
32 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
33   \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
34 \@outputpage}
35 \beginngroup
36   \@dblfloatplacement
37   \@startdblcolumn
38   \@whilesw \if@colmade \fi
39     {\@outputpage \@startdblcolumn }\endgroup
40 \@resetst@tics
41 \@resetdyn@tics
42 \else % still on same page, save contents of box255
43   \global\@firstcolumnfalse
44   \setcolbox\c@thisframe
45 \fi
46 \global\c@thisframe=\@nxtcol
47 \setcol{\c@thisframe}\relax
48 \global\@colht\vsiz
49 }
50 \def\@outputpage{%
51 \beginngroup
52   \let\protect\noexpand
53   \@resetactivechars
54   \global\let\@if@newlist\if@newlist
55   \global\@newlistfalse\@parboxrestore
56   \shipout\vbox{\set@typeset@protect
57     \aftergroup
58     \endgroup
59     \aftergroup
60     \set@typeset@protect
61     \reset@font\normalsize\normalsfcodes
62     \let\label\@gobble

```

```

63 \let\index@gobble
64 \let\glossary@gobble
65 \baselineskip\z@skip
66 \lineskip\z@skip
67 \lineskiplimit\z@
68 \vskip\topmargin\moveright\@themargin
69 \vbox{%
70     \vskip\headheight
71     \vskip\headsep
72     \box\@outputbox
73 }}%
74 \global\let@if@newlist\@if@newlist
75 \stepcounter{page}%
76 \setcounter{displayedframe}{0}%
77 \let\firstmark\botmark}
78
79
80 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
81 \expandafter\bidicolor\ff@txtcol}}
82
83 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
84 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
85
86
87 \renewcommand*\@docolbox}[1]{%
88 \edef\ff@frametype{%
89 \csname @ff@frametype@romannumeral#1\endcsname}%
90 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
91 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
92 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
93 \@ff@setoffset{#1}%
94 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
95 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
96 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
97 {\csname colheight\romannumeral#1\endcsname}}{%
98 \expandafter\box\csname column\romannumeral#1\endcsname}}{%
99 \csname\ff@frametype\endcsname}%
100 }{%
101 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
102 {\csname colheight\romannumeral#1\endcsname}}{%
103 \expandafter\box\csname column\romannumeral#1\endcsname}%
104 }}}
105 \@ifclassloaded{book}{%
106 \renewcommand\theequation
107 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
108 \renewcommand \thefigure
109 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
110 \renewcommand \thetable
111 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
112 \renewcommand \thechapter {\@arabic\c@chapter}

```



```

113 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
114 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
115 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
116 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
117 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
118 \@ifclassloaded{report}{%
119 \renewcommand \theequation
120 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
121 \renewcommand \thefigure
122 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
123 \renewcommand \thetable
124 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
125 \renewcommand \thechapter {\@arabic\c@chapter}
126 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
127 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
128 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
129 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
130 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
131 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
132 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
133 \else
134 #2\relax
135 \fi}

```

#### 7.41 footnote-luatex-bidi.def

```

1 \ProvidesFile{footnote-luatex-bidi.def}[2010/07/25 v0.1 bidi footnote macros for LuaTeX engine]

```

#### 7.42 footnote-xetex-bidi.def

```

1 \ProvidesFile{footnote-xetex-bidi.def}[2010/07/25 v0.5 bidi footnote macros for XeTeX engine]
2 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
3 \def\bidi@footnote@output{%
4   \dimen0=\ht\footins
5   \advance\dimen0 by\dp\footins
6   \def\@elt###1##2{%
7     \ifx\bidi@footnoterule\relax\global\let\bidi@footnoterule##2\fi
8     \advance\dimen0 by -##1\relax
9     \ifdim\dimen0<\z@
10      {%
11        \let\@elt\relax\let\right@footnote\relax\let\left@footnote\relax
12        \dimen0=-\dimen0%
13        \xdef\new@bidi@footnote@list{\new@bidi@footnote@list\noexpand\@elt{\the\dimen0}{##2}}%
14      }%
15      \fi
16      \ifdim\dimen0>\z@\else
17 \let\right@footnote\relax\let\left@footnote\relax
18 \def\@elt###1###2{%
19   {\let\@elt\relax
20   \xdef\new@bidi@footnote@list{\new@bidi@footnote@list\noexpand\@elt{###1}{##2}}}%
21 }%

```

```

22     \fi
23   }%
24   \def\new@bidi@footnote@list{%
25     \bidi@footnote@list
26     \global\let\bidi@footnote@list\new@bidi@footnote@list
27   }}
28 \def\right@footnote{%
29   \hbox to \columnwidth
30   {\beginR \vbox{\kern -3\p@
31     \hrule width .4\columnwidth \kern2.6\p@}\hfil\endR}}
32 \def\left@footnote{%
33   \hrule width .4\columnwidth\kern 2.6\p@}
34 \def\textwidth@footnote{\kern-3\p@
35   \hrule \@width \textwidth \kern 2.6\p@}
36 \def\right@footnoterule{\bidi@footnote@output\right@footnote\global\let\bidi@footnoterule\relax}
37 \def\left@footnoterule{\bidi@footnote@output\left@footnote\global\let\bidi@footnoterule\relax}
38 \def\textwidth@footnoterule{\bidi@footnote@output\textwidth@footnote\global\let\bidi@footnoterule\relax}
39 \def\auto@footnoterule{\bidi@footnote@output
40   \ifx\bidi@footnoterule\relax\ifRTL\right@footnote\else\left@footnote\fi\else\bidi@footnoterule
41   \global\let\bidi@footnoterule\relax}
42 \def\leftfootnoterule{\def\footnoterule{\left@footnoterule}}
43 \let\LRfootnoterule=\leftfootnoterule
44 \def\rightfootnoterule{\def\footnoterule{\right@footnoterule}}
45 \def\textwidthfootnoterule{\def\footnoterule{\textwidth@footnoterule}}
46 \def\autofootnoterule{\def\footnoterule{\auto@footnoterule}}
47 \def\@makefnmark{\hbox{\@textsuperscript{\normalfont\@thefnmark}}}}
48 \def\bidi@footnote@list{}
49 \let\bidi@footnoterule\relax
50 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
51   \protected@xdef\@thefnmark{\thempfn}%
52   \@footnotemark\@RTLfootnotetext}}
53 \def\@xRTLfootnote[#1]{%
54   \begingroup
55     \csname c@\@mpfn\endcsname #1\relax
56     \unrestored@protected@xdef\@thefnmark{\thempfn}%
57   \endgroup
58   \@footnotemark\@RTLfootnotetext}
59 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
60   \protected@xdef\@thefnmark{\thempfn}%
61   \@footnotemark\@LTRfootnotetext}}
62 \def\@xLTRfootnote[#1]{%
63   \begingroup
64     \csname c@\@mpfn\endcsname #1\relax
65     \unrestored@protected@xdef\@thefnmark{\thempfn}%
66   \endgroup
67   \@footnotemark\@LTRfootnotetext}
68 \def\insertRTL{\bgroup\beginR\@RTLtrue}
69 \def\endinsertRTL{\endR\egroup}
70 \def\insertLTR{\bgroup\beginL\@RTLfalse}
71 \def\endinsertLTR{\endL\egroup}

```

```

72 \DeclareRobustCommand\InLTR{\insertLTR}
73 \DeclareRobustCommand\EInLTR{\endinsertLTR}
74 \DeclareRobustCommand\InRTL{\insertRTL}
75 \DeclareRobustCommand\EInRTL{\endinsertRTL}
76 \long\def\parse@lsent#1#2\EInLTR#3#4#5\parse@end{\@sentdirfalse
77 \def\@tempa{\InLTR}\def\@tempb{\EInLTR}\def\@tempc{#1}\def\@tempd{#4}%
78 \ifx\@tempa\@tempc\ifx\@tempb\@tempd\@sentdirtrue\fi\fi}
79 \long\def\parse@rsent#1#2\EInRTL#3#4#5\parse@end{\@sentdirfalse
80 \def\@tempa{\InRTL}\def\@tempb{\EInRTL}\def\@tempc{#1}\def\@tempd{#4}%
81 \ifx\@tempa\@tempc\ifx\@tempb\@tempd\@sentdirtrue\fi\fi}
82 \long\def\iflsentence#1{\parse@lsent#1\EInLTR123\parse@end\if@sentdir}
83 \long\def\ifrsentence#1{\parse@rsent#1\EInRTL123\parse@end\if@sentdir}
84 \long\def\bidi@footnotetext@dir#1{%
85   \@tempswatrue
86   \ifrsentence{#1}\@rtl\@tempswafalse\fi
87   \iflsentence{#1}\@ltr\@tempswafalse\fi
88   \if@tempswa\if@RTL\@rtl\else\@ltr\fi\fi
89   \xdef\bidi@this@footnote{\if@RTL\noexpand\right@footnote\else\noexpand\left@footnote\fi}%
90 }
91 \def\bidi@footnotetext@after{%
92   {%
93     \let\@elt\relax\let\right@footnote\relax\let\left@footnote\relax
94     \dimen0=\ht\footins
95     \advance\dimen0 by\dp\footins
96     \xdef\bidi@footnote@list{\bidi@footnote@list\@elt{\the\dimen0}{\bidi@this@footnote}}%
97   }%
98 }
99 \def\setfootnoteRL{\@RTL@footnotetrue}
100 \def\unsetfootnoteRL{\@RTL@footnotefalse}
101 \def\setfootnoteLR{\unsetfootnoteRL}
102 \long\def\@footnotetext#1{%
103   \begingroup
104   \setbox\footins
105   \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi\reset@font\footnotesize
106     \interlinepenalty\interfootnotelinepenalty
107     \splittopskip\footnotesep
108     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
109     \hsize\columnwidth \@parboxrestore
110     \bidi@footnotetext@dir{#1}%
111     \protected@edef\@currentlabel{\curname p@footnote\endcsname\@thefnmark}\@makefnmark
112     {\rule{\z@}{\footnotesep}\ignorespaces#1\strut}}%
113     \bidi@footnotetext@after
114     \insert\footins{\unvbox\footins}%
115   \endgroup}
116 \long\def\@RTLfootnotetext#1{%
117   \begingroup
118   \setbox\footins
119   \vbox{\@RTLtrue\reset@font\footnotesize
120     \interlinepenalty\interfootnotelinepenalty
121     \splittopskip\footnotesep

```

```

122 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
123 \hsize\columnwidth \@parboxrestore
124 \bidi@footnotetext@dir{#1}%
125 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
126 {\rule{\z@}{\footnotesep}\ignorespaces #1\strut}}%
127 \bidi@footnotetext@after
128 \insert\footins{\unvbox\footins}%
129 \endgroup}
130 \long\def\@LTRfootnotetext#1{%
131 \begingroup
132 \setbox\footins
133 \vbox{\@RTLfalse\reset@font\footnotesize
134 \interlinepenalty\interfootnotelinepenalty
135 \splittopskip\footnotesep
136 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
137 \hsize\columnwidth \@parboxrestore
138 \bidi@footnotetext@dir{#1}%
139 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
140 {\rule{\z@}{\footnotesep}\ignorespaces#1\strut}}%
141 \bidi@footnotetext@after
142 \insert\footins{\unvbox\footins}%
143 \endgroup}
144 \long\def\@mpRTLfootnotetext#1{%
145 \global\setbox\@mpfootins\vbox{\@RTLtrue%
146 \unvbox\@mpfootins
147 \reset@font\footnotesize
148 \hsize\columnwidth
149 \@parboxrestore
150 \protected@edef\@currentlabel
151 {\csname p@mpfootnote\endcsname\@thefnmark}%
152 \color@begingroup
153 \bidi@footnotetext@dir{#1}
154 \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi@
155 \@makefnctext{%
156 \rule{\z@}{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
157 \color@endgroup}}
158 \long\def\@mpLTRfootnotetext#1{%
159 \global\setbox\@mpfootins\vbox{\@RTLfalse%
160 \unvbox\@mpfootins
161 \reset@font\footnotesize
162 \hsize\columnwidth
163 \@parboxrestore
164 \protected@edef\@currentlabel
165 {\csname p@mpfootnote\endcsname\@thefnmark}%
166 \color@begingroup
167 \bidi@footnotetext@dir{#1}
168 \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi@
169 \@makefnctext{%
170 \rule{\z@}{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
171 \color@endgroup}}

```

```

172 \long\def\@mpfootnotetext#1{%
173   \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
174     \unvbox\@mpfootins
175     \reset@font\footnotesize
176     \hsize\columnwidth
177     \@parboxrestore
178     \protected@edef\@currentlabel
179       {\csname p@mpfootnote\endcsname\@thefnmark}%
180     \color@begingroup
181     \bidi@footnotetext@dir{#1}
182     \ifnum\c@mpfootnote=1\ifRTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi@
183       \makefnmark\fi
184       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
185     \color@endgroup}}
186 \def\@iiminipage#1#2[#3]#4{%
187   \leavevmode
188   \@pboxswfalse
189   \setlength\@tempdima{#4}%
190   \def\@mpargs{#{1}#{2}#{3}#{4}}%
191   \setbox\@tempboxa\vbox\bgroup\hbox\bgroup\ifRTL\beginLfi\if #1\vtop\else\vbox\fi\bgroup
192     \color@begingroup
193     \hsize\@tempdima
194     \textwidth\hsize \columnwidth\hsize
195     \@parboxrestore
196     \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
197     \let\@footnotetext\@mpfootnotetext
198     \let\@LTRfootnotetext\@mpLTRfootnotetext
199     \let\@RTLfootnotetext\@mpRTLfootnotetext
200     \let\@listdepth\@mpplistdepth \@mpplistdepth\z@
201     \@minipagerestore
202     \setminipage}
203 \def\LTRthanks#1{\footnotemark
204   \protected@xdef\@thanks{\@thanks
205     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
206 }
207 \def\LTRfootnotetext{%
208   \@ifnextchar [\@xLTRfootnotenext
209     {\protected@xdef\@thefnmark{\thempfn}%
210     \@LTRfootnotetext}}
211 \def\@xLTRfootnotenext[#1]{%
212   \begingroup
213     \csname c@\@mpfn\endcsname #1\relax
214     \unrestored@protected@xdef\@thefnmark{\thempfn}%
215   \endgroup
216   \@LTRfootnotetext}
217 \def\RTLthanks#1{\footnotemark
218   \protected@xdef\@thanks{\@thanks
219     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
220 }
221 \let\@thanks\@empty

```

```

222 \def\RTLfootnotetext{%
223     \ifnextchar [\@xRTLfootnotenext
224         {\protected@xdef\@thefnmark{\thempfn}%
225         \@RTLfootnotetext}}
226 \def\@xRTLfootnotenext[#1]{%
227     \begingroup
228         \csname c@\@mpfn\endcsname #1\relax
229         \unrestored@protected@xdef\@thefnmark{\thempfn}%
230     \endgroup
231     \@RTLfootnotetext}
232 \leftfootnoterule

```

### 7.43 framed-xetex-bidi.def

```

1 \ProvidesFile{framed-xetex-bidi.def}[2011/03/01 v0.1 bidi adaptations for framed package for XeTeX
2 \chardef\FrameRestore=\catcode`\| % for debug
3 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
4 \def\fb@put@frame#1#2{\relax
5 \ifdim\pagegoal=\maxdimen \pagegoal\vszize \fi
6 | \message{===== Entering putframe =====^^J
7 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
8 \ifinner
9 \fb@putboxa#1%
10 \fb@afterframe
11 \else
12 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
13 \ifdim\dimen@<2\baselineskip % Too little room on page
14 | \message{Page has only \the\dimen@\space room left; eject. }%
15 \eject \fb@adjheight \fb@put@frame#1#2%
16 \else % there's appreciable room left on the page
17 \fb@sizeofframe#1%
18 | \message{\string\pagetotal=\the\pagetotal,
19 | \string\pagegoal=\the\pagegoal,
20 | \string\pagestretch=\the\pagestretch,
21 | \string\pageshrink=\the\pageshrink,
22 | \string\fb@frh=\fb@frh. \space}
23 | \message{Box of size \the\ht@\tempboxa\space + \fb@frh}%
24 \begingroup % temporarily set \dimen@ to be...
25 \advance\dimen@.8\pageshrink % maximum space available on page
26 \advance\dimen@-\fb@frh\relax % space available for frame's contents
27 \expandafter\endgroup
28 % expand \ifdim, then restore \dimen@ to real room left on page
29 \ifdim\dimen@>\ht@\tempboxa % whole box does fit
30 | \message{fits in \the\dimen@. }%
31 % Use vsplit anyway to capture the marks
32 % !!!????!!! MERGE THIS WITH THE else CLAUSE!!!
33 \fb@putboxa#1%
34 \fb@afterframe
35 \else % box must be split
36 | \message{must be split to fit in \the\dimen@. }%

```

```

37 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
38 \fb@sizeofframe#2%
39 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
40 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
41 \kern137sp\kern-137sp\penalty-30
42 \unvbox\@tempboxa}%
43 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
44 \splittopskip\the\splittopskip}%
45 \boxmaxdepth\z@ \splittopskip\z@
46 | \message{Padded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
47 % Split box here
48 \setbox\tw@\vsplit\@tempboxa to\dimen@
49 | \toks99\expandafter{\splitfirstmark}%
50 | \toks98\expandafter{\splitbotmark}%
51 | \message{Marks are: \the\toks99, \the\toks98. }%
52 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
53 | \message{Natural height of split box is \the\ht\tw@, leaving
54 | \the\ht\@tempboxa\space remainder. }%
55 % If the split-to size > (\vsize-\topskip), then set box to full size
56 \begingroup
57 \advance\dimen@\topskip
58 \expandafter\endgroup
59 \ifdim\dimen@>\pagegoal
60 | \message{Frame is big -- Use up the full column. }%
61 \dimen@ii\pagegoal
62 \advance\dimen@ii -\topskip
63 \advance\dimen@ii \FrameHeightAdjust\relax
64 \else % suspect this is wrong:
65 % If the split-to size > feasible room_on_page, rebox it smaller.
66 \advance\dimen@.8\pageshrink
67 \ifdim\ht\tw@>\dimen@
68 | \message{Box too tall; rebox it to \the\dimen@. }%
69 \dimen@ii\dimen@
70 \else % use natural size
71 \dimen@ii\ht\tw@
72 \fi
73 \fi
74 % Re-box contents to desired size \dimen@ii
75 \advance\dimen@ii -\fb@frh
76 \setbox\tw@\vbox to\dimen@ii \bgroup
77 % remove simulated frame and page flexibility:
78 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
79 \unvbox\tw@ \unpenalty\unpenalty
80 \ifdim\lastkern=-137sp % whole box went to next page
81 | \message{box split at beginning! }%
82 % need work here???
83 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
84 \fb@adjheight
85 \fb@put@frame#1#2% INSERTED ???
86 \else % Got material split off at the head

```

```

87         \egroup \fb@resto@set
88         \ifvoid\@tempboxa % it all fit after all
89 |         \message{box split at end! }%
90         \setbox\@tempboxa\box\tw@
91         \fb@putboxa#1%
92         \fb@afterframe
93     \else % it really did split
94 |     \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
95         \ifdim\wd\tw@>\z@
96         \wd\tw@\wd\@tempboxa
97         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
98     \else
99 |     \message{Zero width means likely blank. Don't frame it (guess)}%
100         \box\tw@
101         \fi
102         \hrule \@height\z@ \@width\hsize
103         \eject
104         \fb@adjheight
105         \fb@put@frame\LastFrameCommand\MidFrameCommand
106     \fi\fi\fi\fi\fi
107 }
108 \def\fb@putboxa#1{%
109     \ifvoid\@tempboxa
110         PackageWarning{framed}{Boxa is void -- discard it. }%
111     \else
112 |     \message{Frame and place boxa. }%
113 |     %{\showoutput\showbox\@tempboxa}%
114     \centerline{#1{\hboxL{\box\@tempboxa}}}%
115     \fi
116 }
117 \catcode`\|= \FrameRestore
118 \def\FrameRestore{%
119     \let\if@nobreak\iffalse
120     \let\if@noskipsec\iffalse
121     \let\-\@dischyp
122     \let'\@acci\let\` \@accii\let\=@acciii
123     % \message{FrameRestore:
124     %     \@totalleftmargin=\the \@totalleftmargin,
125     %     \rightmargin=\the\rightmargin,
126     %     \@listdepth=\the\@listdepth. }%
127     % Test if we are in a list (or list-like paragraph)
128     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
129         \ifdim\rightmargin>\z@ 1\fi
130         \ifnum\@listdepth>0 1\fi 0>\z@
131     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
132     %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
133     %     \labelwidth=\the\labelwidth. }%
134     \@setminipage % snug fit around the item
135     % Now try to propagate changes of width from \hsize to list parameters.
136     % This is deficient, but a more advanced way to indicate modification to text

```



```

137 % dimensions is not (yet) provided; in particular, no separate left/right
138 % adjustment.
139 \advance\linewidth-\columnwidth \advance\linewidth\hsize
140 \parshape\@ne \@totalleftmargin \linewidth
141 \else % Not in list
142 \linewidth=\hsize
143 \%message{No list, set \string\linewidth=\the\hsize. }%
144 \fi
145 \sloppy
146 }

```

#### 7.44 graphicx-xetex-bidi.def

```

1 \ProvidesFile{graphicx-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for graphicx package for Xe
2 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
3 \Grot@setangle{#1}%
4 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR
5 \Grot@x\z@
6 \Grot@y\z@
7 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
8 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
9 \leavevmode
10 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11 \setbox\z@\hbox{#3}%
12 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
13 \ifdim#2\p@<\z@
14 \ht\tw@-#2\dp\z@
15 \dp\tw@-#2\ht\z@
16 \else
17 \ht\tw@#2\ht\z@
18 \dp\tw@#2\dp\z@
19 \fi
20 \ifdim#1\p@<\z@
21 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
22 \else
23 \wd\tw@#1\wd\z@
24 \box\tw@
25 \fi\ifmmode\else\if@RTL\endL\fi\fi}
26 \def\Gin@ii[#1]#2{\ifmmode\else\if@RTL\beginL\fi\fi%
27 \def\@tempa{[]\def\@tempb{#2}}%
28 \ifx\@tempa\@tempb
29 \def\@tempa{\Gin@iii[#1] []}%
30 \expandafter\@tempa
31 \else
32 \begingroup
33 \@tempswafalse
34 \toks@{\Gin@include@graphics{#2}}%
35 \setkeys{Gin}{#1}%
36 \Gin@esetsize
37 \the\toks@

```

```

38     \endgroup
39     \fi\ifmmode\else\ifRTL\endL\fi\fi}
40 \def\reflectbox{\bidiGscale@box-1[1]}
41 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\ifRTL\beginL\fi\fi%
42  \leavevmode
43  \def\Gscale@x{#1}\def\Gscale@y{#2}%
44  \setbox\z@\hbox{\ifmmode\ifRTL\beginR\fi#3\ifRTL\endR\fi\else\ifRTL\beginR\fi#3\ifRTL\endR\fi}%
45  \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
46  \ifdim#2\p@<\z@
47    \ht\tw@-#2\dp\z@
48    \dp\tw@-#2\ht\z@
49  \else
50    \ht\tw@#2\ht\z@
51    \dp\tw@#2\dp\z@
52  \fi
53  \ifdim#1\p@<\z@
54    \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
55  \else
56    \wd\tw@#1\wd\z@
57    \box\tw@
58  \fi\ifmmode\else\ifRTL\endL\fi\fi}
59 \def\scalesbox#1{%
60  \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}
61 \def\resizebox{%
62  \leavevmode
63  \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
64 \def\bidiGscale@@box#1#2#3{%
65  \let\@tempa\Gin@exclamation
66  \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
67  \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
68  \ifx\@tempb\@tempa
69    \ifx\@tempc\@tempa
70      \toks@{\mbox}%
71    \else
72      \toks@{\bidiGscale@box@dd{#3}#1}%
73    \fi
74  \else
75    \ifx\@tempc\@tempa
76      \toks@{\bidiGscale@box@dd{#2}\width}%
77    \else
78      \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
79    \fi
80  \fi
81  \the\toks@}
82 \long\def\bidiGscale@box@dd#1#2#3{%
83  \@begin@tempboxa\hbox{\ifmmode\ifRTL\beginR\fi#3\ifRTL\endR\fi\else\ifRTL\beginR\fi#3\ifRTL\endR\fi}%
84  \setlength\@tempdima{#1}%
85  \setlength\@tempdimb{#2}%
86  \Gscale@div\@tempa\@tempdima\@tempdimb
87  \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%

```

```

88 \end@tempboxa}
89 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
90 \begin@tempboxa\hbox{\ifmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL
91 \setlength\@tempdima{#1}%
92 \setlength\@tempdimb{#2}%
93 \Gscale@div\@tempa\@tempdima\@tempdimb
94 \setlength\@tempdima{#3}%
95 \setlength\@tempdimb{#4}%
96 \Gscale@div\@tempb\@tempdima\@tempdimb
97 \ifGin@iso
98 \ifdim\@tempa\p@>\@tempb\p@
99 \let\@tempa\@tempb
100 \else
101 \let\@tempb\@tempa
102 \fi
103 \fi
104 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
105 \end@tempboxa}

```

## 7.45 hyperref-xetex-bidi.def

```

1 \ProvidesFile{hyperref-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for hyperref package for Xe
2 \AtBeginDocument{%
3 \def\contentsline#1#2#3#4{%
4 \ifx\#4\%
5 \csname l@#1\endcsname{#2}{#3}%
6 \else
7 \ifcase\Hy@linktoc % none
8 \csname l@#1\endcsname{#2}{#3}%
9 \or % section
10 \csname l@#1\endcsname{%
11 \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
12 }{#3}%
13 \or % page
14 \csname l@#1\endcsname{{#2}}{%
15 \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
16 }%
17 \else % all
18 \csname l@#1\endcsname{%
19 \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
20 }{%
21 \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
22 }%
23 \fi
24 \fi
25 }
26 \ifHy@hyperfootnotes
27 \let\H@@footnotetext\@footnotetext
28 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
29 \let\HLTR@LTRfootnotetext\@LTRfootnotetext

```

```

30 \def\xfootnotenext[#1]{%
31 \begingroup
32   \csname c@\mpfn\endcsname #1\relax
33   \unrestored@protected@xdef\@thefnmark{\thempfn}%
34 \endgroup
35 \ifx\@footnotetext\@mpfootnotetext
36   \expandafter\H@\mpfootnotetext
37 \else
38   \expandafter\H@\footnotetext
39 \fi
40 }%
41 \def\xRTLfootnotenext[#1]{%
42 \begingroup
43   \csname c@\mpfn\endcsname #1\relax
44   \unrestored@protected@xdef\@thefnmark{\thempfn}%
45 \endgroup
46 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
47   \expandafter\HRTL@\mpRTLfootnotetext
48 \else
49   \expandafter\HRTL@\RTLfootnotetext
50 \fi
51 }%
52 \def\xLTRfootnotenext[#1]{%
53 \begingroup
54   \csname c@\mpfn\endcsname #1\relax
55   \unrestored@protected@xdef\@thefnmark{\thempfn}%
56 \endgroup
57 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
58   \expandafter\HLTR@\mpLTRfootnotetext
59 \else
60   \expandafter\HLTR@\LTRfootnotetext
61 \fi
62 }%
63 \def\xfootnotemark[#1]{%
64 \begingroup
65   \c@footnote #1\relax
66   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
67 \endgroup
68 \H@\footnotemark
69 }%
70 \let\H@\mpfootnotetext\@mpfootnotetext
71 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
72 \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
73 \long\def\@mpfootnotetext#1{%
74   \H@\mpfootnotetext{%
75     \ifHy@nesting
76       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
77     \else
78       \Hy@raisedlink{%
79         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%

```

```

80     }#1%
81     \fi
82   }%
83 }%
84 \long\def\@mpRTLfootnotetext#1{%
85   \HRTL@mpRTLfootnotetext{%
86     \ifHy@nesting
87       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
88     \else
89       \Hy@raisedlink{%
90         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
91       }#1%
92     \fi
93   }%
94 }%
95 \long\def\@mplTRfootnotetext#1{%
96   \HLTR@mplTRfootnotetext{%
97     \ifHy@nesting
98       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
99     \else
100      \Hy@raisedlink{%
101        \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
102      }#1%
103    \fi
104  }%
105 }%
106 \long\def\@footnotetext#1{%
107   \H@footnotetext{%
108     \ifHy@nesting
109       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
110     \else
111       \Hy@raisedlink{%
112         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
113       }%
114       \let\@currentHlabel\Hy@footnote@currentHlabel
115       \let\@currentHref\Hy@footnote@currentHref
116       \let\@currentlabelname\@empty
117       #1%
118     \fi
119   }%
120 }%
121 \long\def\@RTLfootnotetext#1{%
122   \HRTL@RTLfootnotetext{%
123     \ifHy@nesting
124       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
125     \else
126       \Hy@raisedlink{%
127         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
128       }%
129       \let\@currentHlabel\Hy@footnote@currentHlabel

```

```

130     \let\@currentHref\Hy@footnote@currentHref
131     \let\@currentlabelname\@empty
132     #1%
133     \fi
134 }%
135 }%
136 \long\def\@LTRfootnotetext#1{%
137 \HLTR@@LTRfootnotetext{%
138     \ifHy@nesting
139     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
140     \else
141     \Hy@raisedlink{%
142     \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
143     }%
144     \let\@currentHlabel\Hy@footnote@currentHlabel
145     \let\@currentHref\Hy@footnote@currentHref
146     \let\@currentlabelname\@empty
147     #1%
148     \fi
149 }%
150 }%
151 \def\@footnotemark{%
152     \leavevmode
153     \ifhmode\edef\@x@sf{\the\spacefactor}\nobreak\fi
154     \stepcounter{Hfootnote}%
155     \global\let\Hy@saved@currentHlabel\@currentHlabel
156     \global\let\Hy@saved@currentHref\@currentHref
157     \hyper@makecurrent{Hfootnote}%
158     \global\let\Hy@footnote@currentHlabel\@currentHlabel
159     \global\let\Hy@footnote@currentHref\@currentHref
160     \global\let\@currentHlabel\Hy@saved@currentHlabel
161     \global\let\@currentHref\Hy@saved@currentHref
162     \beginL\hyper@linkstart{link}{\Hy@footnote@currentHref}%
163     \@makefnmark
164     \hyper@linkend\endL
165     \ifhmode\spacefactor\@x@sf\fi
166     \relax
167 }%
168 \let\HyOrg@maketitle\maketitle
169 \def\maketitle{%
170     \let\Hy@saved@footnotemark\@footnotemark
171     \let\Hy@saved@footnotetext\@footnotetext
172     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
173     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
174     \let\@footnotemark\H@@footnotemark
175     \let\@footnotetext\H@@footnotetext
176     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
177     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
178     \@ifnextchar[\Hy@maketitle@optarg{% ]
179     \HyOrg@maketitle

```

```

180     \Hy@maketitle@end
181   }%
182 }%
183 \def\Hy@maketitle@optarg[#1]{%
184   \HyOrg@maketitle[#{#1}]%
185   \Hy@maketitle@end
186 }%
187 \def\Hy@maketitle@end{%
188   \ifx\@footnotemark\H@@footnotemark
189     \let\@footnotemark\Hy@saved@footnotemark
190   \fi
191   \ifx\@footnotetext\H@@footnotetext
192     \let\@footnotetext\Hy@saved@footnotetext
193   \fi
194   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
195     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
196   \fi
197   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
198     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
199   \fi
200 }%
201 \def\realfootnote{%
202   \@ifnextchar[\@xfootnote{%
203     \stepcounter{\@mpfn}%
204     \protected@xdef\@thefnmark{\thempfn}%
205     \H@@footnotemark\H@@footnotetext
206   }%
207 }%
208 \fi
209 \def\hyper@link#1#2#3{%
210   \beginL\hyper@linkstart{#1}{#2}\if@RTL\beginR\fi#3\if@RTL\endR\fi\hyper@linkend\endL
211 }
212 \let\origin@href=\href
213 \renewcommand\href[2]{\beginL\origin@href{#1}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\endL}
214 \let\origin@url=\url
215 \renewcommand\url[1]{\beginL\origin@url{#1}\endL}%
216 \def\hyper@natlinkstart#1{%
217   \Hy@backout{#1}%
218   \beginL\hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
219   \def\hyper@nat@current{#1}%
220 }
221 \def\hyper@natlinkend{%
222   \if@RTL\endR\fi\hyper@linkend\endL
223 }
224 \def\hyper@natlinkbreak#1#2{%
225   \if@RTL\endR\fi\hyper@linkend\endL#1\beginL\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
226 }%
227 }

```

## 7.46 leqno-xetex-bidi.def

```
1 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX engine]
2 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
3     \rlap{
4         \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@R
```

## 7.47 letter-xetex-bidi.def

```
1 \ProvidesFile{letter-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for standard letter class for
2 \renewcommand*\@opening[1]{\ifx\@empty\fromaddress
3   \thispagestyle{firstpage}%
4   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
5   \else % home address
6     \thispagestyle{empty}%
7     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}\fi}
8     \fromaddress \*[2\parskip]%
9     \@date \end{tabular}\par}%
10  \fi
11  \vspace{2\parskip}%
12  {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
13  \vspace{2\parskip}%
14  #1\par\nobreak}
15 \renewcommand\left@footnote{%
16   \kern-\p@
17   \hrule \@width .4\columnwidth
18   \kern .6\p@}
19 \renewcommand\right@footnote{%
20   \hbox to \columnwidth
21   {\beginR \vbox{%
22     \kern-\p@
23     \hrule \@width .4\columnwidth
24     \kern .6\p@}\hfil\endR}}
```

## 7.48 listings-xetex-bidi.def

```
1 \ProvidesFile{listings-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for listings package for Xe
2 \AtBeginDocument{
3   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{
4     \lst@ifnumberbychapter
5       \gdef\thelstlisting%
6         {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
7   \else
8     \gdef\thelstlisting{\@arabic\c@lstlisting}
9   \fi}
```

## 7.49 loadingorder-bidi.def

```
1 \ProvidesFile{loadingorder-bidi.def}[2010/07/25 v0.5 making sure that bidi is the last package load
2 \newcommand\bidi@isloaded[2][]{
3   \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
4   \expandafter\newif\csname if@bidi@#2loaded@\endcsname
```



```

5 \fi
6 \ifpackageloaded{#2}
7   {\csname @bidi@#2loaded@true\endcsname #1}
8   {\csname @bidi@#2loaded@false\endcsname}}
9 \bidi@isloaded{amsmath}
10 \bidi@isloaded{amsthm}
11 \bidi@isloaded{breqn}
12 \bidi@isloaded{caption}
13 \bidi@isloaded{color}
14 \bidi@isloaded{dblfnote}
15 \bidi@isloaded{xcolor}
16 \bidi@isloaded{colortbl}
17 \bidi@isloaded{float}
18 \bidi@isloaded{flowfram}
19 \bidi@isloaded{framed}
20 \bidi@isloaded{xltxtra}
21 \bidi@isloaded{xunicode}
22 \bidi@isloaded{wrapfig}
23 \bidi@isloaded{graphicx}
24 \bidi@isloaded{hyperref}
25 \bidi@isloaded{fancyhdr}
26 \bidi@isloaded{draftwatermark}
27 \bidi@isloaded{empheq}
28 \bidi@isloaded{pdfpages}
29 \bidi@isloaded{listings}
30 \bidi@isloaded{pstricks}
31 \bidi@isloaded{pgf}
32 \bidi@isloaded{quotchap}
33 \bidi@isloaded{tikz}
34 \bidi@isloaded{titlesec}
35 \bidi@isloaded{titletoc}
36 \bidi@isloaded{array}
37 \bidi@isloaded{stabular}
38 \bidi@isloaded{subfig}
39 \bidi@isloaded{subfigure}
40 \bidi@isloaded{supertabular}
41 \bidi@isloaded{xtab}
42 \bidi@isloaded{longtable}
43 \bidi@isloaded{arydshln}
44 \bidi@isloaded{multicol}
45 \bidi@isloaded{minitoc}
46 \bidi@isloaded{ragged2e}
47 \bidi@isloaded{tabls}
48 \bidi@isloaded{tabulary}
49 \bidi@isloaded{tocstyle}
50 \bidi@isloaded{fontspec}
51 \bidi@isloaded{arabxetex}
52 \bidi@isloaded{polyglossia}
53 \bidi@isloaded{fancyvrb}
54 \AtBeginDocument{

```

```

55 \if@bidi@amsmathloaded@else
56 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. Please
57 \fi%
58 \if@bidi@amsthmloaded@else
59 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. Please
60 \fi%
61 \if@bidi@breqnloaded@else
62 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Please
63 \fi%
64 \if@bidi@captionloaded@else
65 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. Please
66 \fi%
67 \if@bidi@colorloaded@else
68 \ifpackageloaded{hyperref}{}{-%
69 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Please
70 \fi%
71 \if@bidi@dblfnote@else
72 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package. Please
73 \fi%
74 \if@bidi@xcolorloaded@else
75 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. Please
76 \fi%
77 \if@bidi@colortblloaded@else
78 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package. Please
79 \fi%
80 \if@bidi@floatloaded@else
81 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Please
82 \fi%
83 \if@bidi@flowframloaded@else
84 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package. Please
85 \fi%
86 \if@bidi@framedloaded@else
87 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. Please
88 \fi%
89 \if@bidi@xltxtraloaded@else
90 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package. Please
91 \fi%
92 \if@bidi@xunicodeloaded@else
93 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package. Please
94 \fi%
95 \if@bidi@wrapfigloaded@else
96 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. Please
97 \fi%
98 \if@bidi@graphicxloaded@else
99 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package. Please
100 \fi%
101 \if@bidi@hyperrefloaded@else
102 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package. Please
103 \fi%
104 \if@bidi@fancyhdrloaded@else

```

```

105 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package. Ple
106 \fi%
107 \if@bidi@draftwatermarkloaded@else
108 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi packag
109 \fi%
110 \if@bidi@empheqloaded@else
111 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. Pleas
112 \fi%
113 \if@bidi@pdfpagesloaded@else
114 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package. Ple
115 \fi%
116 \if@bidi@listingsloaded@else
117 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package. Ple
118 \fi%
119 \if@bidi@pstricksloaded@else
120 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package. Ple
121 \fi%
122 \if@bidi@pgfloaded@else
123 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Please 1
124 \fi%
125 \if@bidi@quotchaploaded@else
126 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package. Ple
127 \fi%
128 \if@bidi@tikzloaded@else
129 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Please
130 \fi%
131 \if@bidi@titlesecloaded@else
132 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package. Ple
133 \fi%
134 \if@bidi@titletocloaded@else
135 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package. Ple
136 \fi%
137 \if@bidi@arrayloaded@else
138 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Please
139 \fi%
140 \if@bidi@stabularloaded@else
141 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package. Ple
142 \fi%
143 \if@bidi@subfigloaded@else
144 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. Pleas
145 \fi%
146 \if@bidi@subfigureloaded@else
147 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package. PL
148 \fi%
149 \if@bidi@supertabularloaded@else
150 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi package
151 \fi%
152 \if@bidi@xtabloaded@else
153 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Please
154 \fi%

```

```

155 \if@bidi@longtableloaded@else
156 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package. Plea
157 \fi%
158 \if@bidi@arydshlnloaded@else
159 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package. Plea
160 \fi%
161 \if@bidi@multicolloaded@else
162 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package. Plea
163 \fi%
164 \if@bidi@minitocloaded@else
165 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. Plea
166 \fi%
167 \csname if@bidi@ragged2loaded@endcsname\else
168 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package. Plea
169 \fi%
170 \if@bidi@tablsloaded@else
171 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabls after bidi package. Plea
172 \fi%
173 \if@bidi@tabularyloaded@else
174 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package. Plea
175 \fi%
176 \if@bidi@tocstyleloaded@else
177 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package. Plea
178 \fi%
179 \if@bidi@fontspecloaded@else
180 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package. Plea
181 \fi%
182 \if@bidi@arabxetexloaded@else
183 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package. Plea
184 \fi%
185 \if@bidi@polyglossialoaded@else
186 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi package. Plea
187 \fi%
188 \if@bidi@fancyvrbloaded@else
189 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package. Plea
190 \fi%
191 }

```

## 7.50 longtable-xetex-bidi.def

```

1 \ProvidesFile{longtable-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for longtable package for
2 \def\LT@makecaption#1#2#3{%
3 \LT@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
4 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
5 \ifdim\wd\@tempboxa>\hsize
6 #1{#2: }#3%
7 \else
8 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
9 \fi
10 \endgraf\vskip\baselineskip}%

```

```
11 \hss}}}
```

## 7.51 luatex-bidi.def

```
1 \ProvidesFile{luatex-bidi.def}[2010/07/25 v0.1 bidi adaptations for LuaTeX engine]
2 \directlua { tex.enableprimitives('',{ 'pagedir', 'bodydir', 'pardir', 'textdir', 'mathdir'}) }
3 \input{footnote-luatex-bidi.def}
```

## 7.52 memoir-xetex-bidi.def

```
1 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX engine]
2 \renewcommand{\keepthetitle}{%
3   \@bsmttitleempty
4   \global\let\thanks\relax
5   \global\let\LTRthanks\relax
6   \global\let\RTLthanks\relax
7   \global\let\and\relax
8   \global\let\andnext\relax
9   \global\let\@thanks\@empty
10  \global\let\@title\@empty
11  \global\let\@author\@empty
12  \global\let\@date\@empty}
13 \renewcommand{\maketitle}{\par
14   \begingroup
15     \@bsmarkseries
16     \def\@makefnmark{\@textsuperscript{%
17       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
18     \long\def\@makefntext##1{\makethanksmark ##1}
19     \if@twocolumn
20       \ifnum \col@number=\@one
21         \@maketitle
22       \else
23         \twocolumn[\@maketitle]%
24       \fi
25     \else
26       \ifdim\pagetotal>\z@
27         \newpage
28       \fi
29       \global\@topnum\z@
30       \@maketitle
31     \fi
32     \thispagestyle{title}\@thanks
33   \endgroup
34   \@bscontmark % \setcounter{footnote}{0}%
35 }
36 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
37 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
38 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
39 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
40 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
41 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
```

```

42 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
43 \renewcommand*{\thesubsection}{%
44     \thesection\@SepMark\@arabic\c@subsection}
45 \renewcommand*{\thesubsubsection}{%
46     \thesubsection\@SepMark\@arabic\c@subsubsection}
47 \renewcommand*{\theparagraph}{%
48     \thesubsubsection\@SepMark\@arabic\c@paragraph}
49 \renewcommand*{\thesubparagraph}{%
50     \theparagraph\@SepMark\@arabic\c@subparagraph}
51 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
52 \renewcommand{\theequation}{%
53     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
54 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
55 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
56 \ifartopt
57     \chapterstyle{article}
58     \counterwithout{figure}{chapter}
59     \counterwithout{table}{chapter}
60     \counterwithout{footnote}{chapter}
61     \counterwithout{equation}{chapter}
62     \renewcommand{\chaptername}{}
63     \renewcommand{\maketitlehookb}{%
64         \vskip -1.5\topsep\vskip -1.5\partopsep}
65     \renewcommand{\maketitlehookc}{%
66         \vskip -1.5\topsep\vskip -1.5\partopsep}
67 \fi
68 \long\def\@makecaption#1#2{\let\@memtempa\relax
69     \ifdim\prevdepth>-99\p@ \vskip\abovcaptionskip
70     \else \def\@memtempa{\vbox to\topskip{}}\fi
71     \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
72     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
73     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
74     \let\footnote\@contfnote
75     \let\footnotemark\@contfmark
76     \ifdim\wd\@tempboxa<\linewidth \centering \fi
77     \if@contcw
78         \centering
79         \parbox{\@contcwidth}{%
80             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
81         \fi
82     \ifdim\wd\@tempboxa<\linewidth
83         \@contpre
84         {\@contnfont #1\@contdelim}\@memtempa
85         {\@contcshortstyle \@conttfont #2\@contfinal\par}
86     \else
87         \if@conthang
88             \sbox\@tempboxa{\@contnfont #1\@contdelim}
89             \@contpre%
90             {\@contcstyle\hangindent=\wd\@tempboxa
91                 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}

```

```

92 \else
93 \if@contindent
94 \@contpre%
95 {\@contnfont #1\@contdelim}\@memtempa
96 {\@contcstyle\hangindent=\@contindw
97 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
98 \else
99 \@contpre%
100 {\@contnfont #1\@contdelim}\@memtempa
101 {\@contcstyle \@conttfont #2\@contfinal\par}
102 \fi
103 \fi
104 \fi
105 \@contpost
106 \if@contcw
107 \par
108 } % end of the \parbox
109 \fi
110 \vskip\belowcaptionskip}
111 \@ifpackageloaded{caption}{%
112 \AtBeginPackage{caption}{
113 \ClassWarningNoLine{memoir}{%
114 You are using the caption package with the memoir \MessageBreak
115 class. This may cause unexpected or inconsistent \MessageBreak
116 results if you use any of memoir's captioning facilities}
117
118 \long\def\@makecaption##1##2{%
119 \vskip\abovcaptionskip
120 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
121 \ifdim \wd\@tempboxa >\hsize
122 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
123 \else
124 \global \@minipagefalse
125 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
126 \fi
127 \vskip\belowcaptionskip}
128
129 \def\caption{%
130 \ifx\@capytype\@undefined
131 \latex@error{\noexpand\caption outside float}\@ehd
132 \expandafter\@gobble
133 \else
134 \refstepcounter\@capytype
135 \expandafter\@firstofone
136 \fi
137 {\@dblarg{\@caption\@capytype}}%
138 }
139
140 \long\def\@caption##1[##2]##3{%
141 \par

```

```

142 \addcontentsline{\csname ext@##1\endcsname}{##1}%
143   {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
144 \begingroup
145   \@parboxrestore
146   \if@minipage
147     \@setminipage
148   \fi
149   \normalsize
150   \@makecaption{\csname fnum##1\endcsname}{\ignorespaces ##3}\par
151 \endgroup}
152 }}{}
153 \renewenvironment{thebibliography}[1]{%
154   \bibsection
155   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
156   \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

### 7.53 minitoc-xetex-bidi.def

```

1 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for XeTeX]
2 \def\@undottedtoctocline#1#2#3#4#5{%
3   \ifnum #1>\c@tocdepth\relax \else
4     \vskip \z@ plus .2\p@
5     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \par}
6     \parindent #2\relax\@afterindenttrue
7     \interlinepenalty\@M
8     \leavevmode
9     \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
10    \hskip -\if@RTL\rightskip\else\leftskip\fi
11    #4\nobreak\hfill \nobreak
12    \null\par}%
13 \fi}
14 \def\@Undottedtoctocline#1#2#3#4#5{%
15   \ifnum #1>\c@tocdepth\relax \else
16     \vskip \z@ \@plus .2\p@
17     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \par}
18     \parindent #2\relax\@afterindenttrue
19     \interlinepenalty\@M
20     \leavevmode
21     \@tempdima #3\relax
22     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
23     {\coffeefont #4}\nobreak \nobreak\null
24     \par}%
25 \fi}
26 \def\@Undottedtoctoclinep#1#2#3#4#5{%
27   \ifnum #1>\c@tocdepth\relax \else
28     \vskip \z@ \@plus .2\p@
29     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \par}
30     \parindent #2\relax\@afterindenttrue
31     \interlinepenalty\@M
32     \leavevmode

```



```

33   \tempdima #3\relax
34   \advance@if@RTL\rightskip\else\leftskip\fi \tempdima \null\nobreak\hskip -\if@RTL\rightskip\
35   {#4}\nobreak \hfill \nobreak\null
36   \hb@xt@{\pnumwidth{\hfil\normalfont \normalcolor #5}}%
37   \par}%
38   \fi}

```

## 7.54 multicol-xetex-bidi.def

```

1 \ProvidesFile{multicol-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for multicol package for Xe
2 \def\revprocess@cols#1#2{\count@doublecol@number\relax
3 \advance\count@ by -2
4   \loop #2%
5   \ifnum\count@>#1\relax
6   \advance\count@-\tw@
7   \repeat}
8 \def\page@sofar{%
9   \process@cols\mult@rightbox
10  {\ifvoid\count@
11    \setbox\count@\hbox to\hsize{}}%
12    \else
13    \wd\count@\hsize
14    \fi}%
15  \count@\col@number \advance\count@\m@ne
16  \mult@info\z@
17  {Column spec: \the\full@width\space = indent
18    + columns + sep =\MessageBreak
19    \the\multicol@leftmargin\space
20    + \the\col@number\space
21    x \the\hsize\space
22    + \the\count@\space
23    x \the\columnsep
24    }%
25 \ifvmode\else\errmessage{Multicol Error}\fi
26   \nointerlineskip
27   \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
28   \moveright\multicol@leftmargin
29   \if@RTL\hbox to\full@width{%
30     \ifdim\dp\mult@rightbox>\dimen\tw@
31       \global\dimen\tw@\dp\mult@rightbox \fi
32     \box\mult@rightbox
33     \llap{\phantom p}%
34     \revprocess@cols\mult@gfirstbox{%
35       \ifdim\dp\count@>\dimen\tw@
36         \global\dimen\tw@\dp\count@ \fi
37       \hss{\columnseprulecolor\vrule
38         \@width\columnseprule}\hss\box\count@}%
39   }\else%
40     \hbox to\full@width{%
41       \process@cols\mult@gfirstbox{%

```

```

42     \ifdim\dp\count@>\dimen\tw@
43         \global\dimen\tw@\dp\count@ \fi
44     \box\count@
45     \hss{\columnseprulecolor\vrule
46         \@width\columnseprule}\hss}%
47     \ifdim\dp\mult@rightbox>\dimen\tw@
48         \global\dimen\tw@\dp\mult@rightbox \fi
49     \box\mult@rightbox
50     \rlap{\phantom p}%
51     }\fi%
52 \kern-\dimen\tw@
53 \ifdim\dimen\tw@ = \mc@gridwarn
54     \PackageWarning[multicol]{%
55         {Very deep columns!\MessageBreak
56         Grid alignment might be broken}}%
57 \fi
58 }
59 \def\right@footnote{%
60     \hbox to \textwidth
61     {\beginR \vbox{\kern -3\p@
62         \hrule width .4\columnwidth \kern2.6\p@}\hfil\endR}}
63 \long\def\@footnotetext#1{%
64     \begingroup
65     \setbox\footins
66     \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi\reset@font\footnotesize
67         \interlinepenalty\interfootnotelinepenalty
68         \splittopskip\footnotesep
69         \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
70         \hsize\textwidth \@parboxrestore
71         \bidi@footnotetext@dir{#1}%
72         \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
73         {\rule{\z@}{\footnotesep}\ignorespaces\if@RTL@footnote#1\else\rmfamily#1\fi\strut}}%
74         \bidi@footnotetext@after
75         \insert\footins{\unvbox\footins}}%
76     \endgroup}
77 \long\def\@RTLfootnotetext#1{%
78     \begingroup
79     \setbox\footins
80     \vbox{\@RTLtrue\reset@font\footnotesize
81         \interlinepenalty\interfootnotelinepenalty
82         \splittopskip\footnotesep
83         \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
84         \hsize\textwidth \@parboxrestore
85         \bidi@footnotetext@dir{#1}%
86         \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
87         {\rule{\z@}{\footnotesep}\ignorespaces #1\strut}}%
88         \bidi@footnotetext@after
89         \insert\footins{\unvbox\footins}}%
90     \endgroup}
91 \long\def\@LTRfootnotetext#1{%

```

```

92 \begingroup
93 \setbox\footins
94 \vbox{\@RTLfalse\reset@font\footnotesize
95 \interlinepenalty\interfootnotelinepenalty
96 \splittopskip\footnotesep
97 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
98 \hsize\textwidth \@parboxrestore
99 \bidi@footnotetext@dir{#1}%
100 \protected@edef\@currentlabel{\csname p@footnote\endcsname\@thefnmark}\@makefnctext
101 {\rule{\z@}{\footnotesep}\ignorespaces\rmfamily #1\strut}}%
102 \bidi@footnotetext@after
103 \insert\footins{\unvbox\footins}%
104 \endgroup}
105 \long\def\@mpRTLfootnotetext#1{%
106 \global\setbox\@mpfootins\vbox{\@RTLtrue%
107 \unvbox\@mpfootins
108 \reset@font\footnotesize
109 \hsize\textwidth
110 \@parboxrestore
111 \protected@edef\@currentlabel
112 {\csname p@mpfootnote\endcsname\@thefnmark}%
113 \color@begingroup
114 \bidi@footnotetext@dir{#1}
115 \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi@
116 \makefnctext{%
117 \rule{\z@}{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
118 \color@endgroup}}
119 \long\def\@mpLTRfootnotetext#1{%
120 \global\setbox\@mpfootins\vbox{\@RTLfalse%
121 \unvbox\@mpfootins
122 \reset@font\footnotesize
123 \hsize\textwidth
124 \@parboxrestore
125 \protected@edef\@currentlabel
126 {\csname p@mpfootnote\endcsname\@thefnmark}%
127 \color@begingroup
128 \bidi@footnotetext@dir{#1}
129 \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi@
130 \makefnctext{%
131 \rule{\z@}{\footnotesep}\ignorespaces\rmfamily#1\@finalstrut\strutbox}%
132 \color@endgroup}}
133 \long\def\@mpfootnotetext#1{%
134 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
135 \unvbox\@mpfootins
136 \reset@font\footnotesize
137 \hsize\textwidth
138 \@parboxrestore
139 \protected@edef\@currentlabel
140 {\csname p@mpfootnote\endcsname\@thefnmark}%
141 \color@begingroup

```

```

142     \bidi@footnotetext@dir{#1}
143 \ifnum\c@mpfootnote=1\if@RTL\global\let\bidi@footnoterule\right@footnote\else\global\let\bidi@
144     \@makefnstext{%
145     \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\rmfamily#1\fi\@finalstrut\strutbox
146     \color@endgroup}}

```

## 7.55 pdfpages-xetex-bidi.def

```

1 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for Xe
2 \renewcommand*\includepdf}[2] [] {%
3   \begingroup
4   \@RTLfalse
5   \let\AM@threadname\relax
6   \AM@split@options{pdfpages}{#1}%
7   \edef\AM@temp{\pdfpages}\the\@temptokena}}%
8   \expandafter\setkeys\AM@temp
9   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
10    \let\AM@currentdocname\relax
11    \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
12    \def\AM@pagecount{0}%
13  }{%
14    \AM@findfile{#2}%
15    \if\AM@threadname\relax
16      \def\AM@threadname{\AM@currentdocname}%
17    \fi
18  }%
19  \ifAM@survey
20    \def\AM@pagestemp{}%
21    \@tempcnta=0
22    \def\foo{%
23      \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
24        {\let\foo\relax}
25        {\expandafter\ifx\expandafter\\\AM@pagestemp\
26          \edef\AM@pagestemp{%
27            \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
28          \else
29            \edef\AM@pagestemp{\AM@pagestemp,%
30              \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
31          \fi
32          \advance\@tempcnta 1\relax
33        }%
34    \foo
35  }%
36  \foo
37  \expandafter\ifx\expandafter\\\AM@pagestemp\
38    \def\AM@pagestemp{1}%
39  \fi
40 \fi
41 \ifAM@output
42   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%

```

```

43   \AM@output{#1}%
44   \fi
45   \AM@CheckAtEnd
46   \endgroup
47   \AM@ClearShipoutPicture
48 }

```

### 7.56 pgf-xetex-bidi.def

```

1 \ProvidesFile{pgf-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for pgf package for XeTeX engine]
2 \AtBeginDocument{%
3 \@ifdefinitionfileloaded{tikz-xetex-bidi}{-}{%
4 \let\origin@pgfpicture=\pgfpicture
5 \let\origin@endpgfpicture=\endpgfpicture
6 \def\pgfpicture{\ifmmode\else\LTR\beginL\fi\origin@pgfpicture}
7 \def\endpgfpicture{\origin@endpgfpicture\ifmmode\else\endL\endLTR\fi}%
8 }%
9 }

```

### 7.57 plain-luatex-bidi.def

```

1 \directlua { tex.enableprimitives('',tex.extraprimatives()) }

```

### 7.58 plain-xetex-bidi.def

```

1 \ifx\TeXeTstate\undefined\else%
2   \TeXeTstate=1
3 \fi
4 \def\Bidi@RTL@everypar{\if@RTL{\setbox\z@\lastbox\beginR\box\z@}\fi}
5   \let\o@everypar=\everypar
6   \newtoks\n@everypar
7   \n@everypar\expandafter{\the\o@everypar}
8   \o@everypar{\Bidi@RTL@everypar\the\n@everypar}
9   \let\everypar=\n@everypar
10 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
11 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
12 \protected\def\hboxR{\hbox\bgroup
13   \everyhbox{%
14     \aftergroup\egroup
15     \everyhbox{}}%
16   \beginR
17   \bgroup
18   \aftergroup\endR
19   \aftergroup\egroup
20 } \hbox}
21 \protected\def\hboxL{\hbox\bgroup
22   \everyhbox{%
23     \aftergroup\egroup
24     \everyhbox{}}%
25   \beginL
26   \bgroup
27   \aftergroup\endL

```

```

28 \aftergroup\egroup
29 }\hbox}
30 \protected\def\ vboxR{\ vbox\ bgroup
31 \everyvbox{%
32 \aftergroup\egroup
33 \everyvbox{}%
34 \beginR
35 \bgroup
36 \aftergroup\endR
37 \aftergroup\egroup
38 }\ vbox}
39 \protected\def\ vboxL{\ vbox\ bgroup
40 \everyvbox{%
41 \aftergroup\egroup
42 \everyvbox{}%
43 \beginL
44 \bgroup
45 \aftergroup\endL
46 \aftergroup\egroup
47 }\ vbox}
48 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
49 \def\endLTR{\par}
50 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
51 \def\endRTL{\par}
52 \def\@ltr{\if@RTL\par\@RTLfalse\@RTL@footnotefalse\fi}
53 \def\@rtl{\if@RTL\relax\else\par\@RTLtrue\@RTL@footnotetrue\fi}
54 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
55 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
56 \let\unsetRTL=\setLTR
57 \let\unsetLTR=\setRTL
58 \let\LR=\LRE
59 \let\RL=\RLE
60 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
61 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
62 \let\@ensure@RL=\@ensure@RTL
63 \let\@ensure@LR=\@ensure@LTR
64 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
65 \let\@ensure@maindir=\@ensure@dir
66 \def\@RTL{RTL}
67 \def\@LTR{LTR}
68 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
69 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
70 \let\@TeX\TeX
71 \def\TeX{\@ensure@LTR{\@TeX}}
72 \def\reflect#1{\setbox0=\hbox{#1}\rlap{\kern0.5\wd0
73 \special{x:gsave}\special{x:scale -1 1}\box0 \special{x:grestore}}}
74 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
75 \hbox{\kern-.125em\reflect{E}}\kern-.1667em \TeX}}$}}
76 \let\setRL=\setRTL
77 \let\setLR=\setLTR

```

```

78 \let\unsetRL=\setLTR
79 \everydisplay{\predisplaydirection=0 }
80 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
81 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
82 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

## 7.59 pstricks-xetex-bidi.def

```

1 \ProvidesFile{pstricks-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for pstricks package for Xe
2 \let\origin@pspicture=\pspicture
3 \let\origin@endpspicture=\endpspicture
4 \def\pspicture{\ifmmode\else\LTR\beginL\fi\origin@pspicture}
5 \def\endpspicture{\origin@endpspicture\ifmmode\else\endL\endLTR\fi}

```

## 7.60 quotchap-xetex-bidi.def

```

1 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for Xe
2 \renewcommand{\qauthor}[1]{%
3   \par\smallskip
4   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
5 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
6   \size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
7     \chapnumfont
8     \ifnum \c@secnumdepth >\m@ne%
9     \if@mainmatter\thechapter%
10    \fi\fi
11    \par\nobreak}%
12   {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\righmargin\else\leftmargin\fi10em\int
13   \nobreak\chapterheadendvskip}}
14 \renewcommand*{\@iprintcites}{%
15   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
16   \global\let\@printcites\relax}

```

## 7.61 ragged2e-xetex-bidi.def

```

1 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for Xe
2 \renewcommand{\Centering}{%
3   \ifx\\@raggedtwoe@savedcr
4     \let\\@centercr
5     \fi
6   \let@gnewline@raggedtwoe@gnewline
7   \if@RTL\righskip\else\leftskip\fi\CenteringLeftskip
8   \@rightskip\CenteringRightskip
9   \if@RTL\leftskip\else\righskip\fi\@rightskip
10  \parfillskip\CenteringParfillskip
11  \parindent\CenteringParindent
12  \@raggedtwoe@spaceskiptrue
13  \@raggedtwoe@everyselectfont
14  }
15 \renewcommand{\RaggedLeft}{%
16   \ifx\\@raggedtwoe@savedcr
17     \let\\@centercr

```

```

18 \fi
19 \let\@gnewline\@raggedtwo@gnewline
20 \if@RTL\rightrightskip\else\leftskip\fi\RaggedLeftLeftskip
21 \@rightskip\RaggedLeftRightskip
22 \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
23 \parfillskip\RaggedLeftParfillskip
24 \parindent\RaggedLeftParindent
25 \@raggedtwo@spaceskiptrue
26 \@raggedtwo@everyselectfont
27 }
28 \renewcommand{\RaggedRight}{%
29 \ifx\\ \@raggedtwo@savedcr
30 \let\\ @centercr
31 \fi
32 \let\@gnewline\@raggedtwo@gnewline
33 \if@RTL\rightrightskip\else\leftskip\fi\RaggedRightLeftskip
34 \@rightskip\RaggedRightRightskip
35 \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
36 \parfillskip\RaggedRightParfillskip
37 \parindent\RaggedRightParindent
38 \@raggedtwo@spaceskiptrue
39 \@raggedtwo@everyselectfont
40 }
41 \renewcommand{\justifying}{%
42 \let\\ \@raggedtwo@savedcr
43 \let\@gnewline\@raggedtwo@saved@gnewline
44 \if@RTL\rightrightskip\else\leftskip\fi\z@
45 \@rightskip\z@
46 \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
47 \parfillskip\JustifyingParfillskip
48 \parindent\JustifyingParindent
49 \@raggedtwo@spaceskipfalse
50 \@raggedtwo@everyselectfont
51 }
52 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{
53 \CheckCommand*{\arrayparboxrestore}{%
54 \let\if@nobreak\iffalse
55 \let\if@noskipsec\iffalse
56 \let\par\@par
57 \let\-\@dischyph
58 \let'\@acci\let`\@accii\let=\@acciii
59 \parindent\z@ \parskip\z@skip
60 \everypar{}%
61 \linewidth\hsize
62 \@totalleftmargin\z@
63 \if@RTL\rightrightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightrightskip\fi\z@skip \@rightskip
64 \parfillskip\@flushglue \lineskip\normallineskip
65 \baselineskip\normalbaselineskip
66 \sloppy}%
67 \renewcommand{\arrayparboxrestore}{%

```



```

68 \let@if@nobreak\iffalse
69 \let@if@noskipsec\iffalse
70 \let\par\@@par
71 \let\-\@dischyph
72 \let'\@acci\let`\@accii\let=\@acciii
73 \parskip\z@skip
74 \everypar{}%
75 \linewidth\hsize
76 \@totalleftmargin\z@
77 \RaggedRight
78 \lineskip\normallineskip
79 \baselineskip\normalbaselineskip
80 \sloppy}%
81 \let\@raggedtwoe@raggedrightboxes@opt\relax
82 }
83 \let\origin@RaggedLeft=\RaggedLeft
84 \let\origin@RaggedRight=\RaggedRight
85 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
86 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 7.62 rapport1-xetex-bidi.def

```

1 \ProvidesFile{rapport1-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for rapport1 class for XeTeX]
2 \renewcommand*\head@style{%
3   \interlinepenalty \@M
4   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6 \if@titlepage
7   \renewenvironment{abstract}{%
8     \titlepage
9     \null\vfil
10    \section*{\SectFont\abstractname}%
11    \noindent\ignorespaces}
12   {\par\vfil\null\endtitlepage}
13 \else
14   \renewenvironment{abstract}{%
15     \if@twocolumn
16     \section*{\abstractname}%
17     \else
18     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
19     \section*{\small\SectFont\abstractname}%
20     \noindent\ignorespaces
21     \fi}
22   {\if@twocolumn\else\par\egroup\fi}
23 \fi
24 \renewcommand*\@regtocoline[3]{%
25   \ifnum #1>\c@tocdepth
26   \else
27     \vskip\z@\@plus.2\p@
28     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M

```

```

29 \ifRTL\rightskip\else\leftskip\fi\unitindent
30 \ifRTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
31 \parfillskip\z@
32 \@tempdima\unitindent
33 \parindent\z@
34 \leavevmode
35 \hbox{}\hskip -\ifRTL\rightskip\else\leftskip\fi\relax#2\nobreak
36 \hskip 1em \nobreak{\slshape #3}\par
37 }%
38 \fi}
39 \if@oldtoc
40 \renewcommand*\l@part[2]{%
41 \ifnum \c@tocdepth >-2\relax
42 \addpenalty{-\@highpenalty}%
43 \addvspace{2.25em \@plus\p@}%
44 \begingroup
45 \setlength\@tempdima{3em}%
46 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
47 \parfillskip -\@pnumwidth
48 {\leavevmode
49 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
50 \nobreak
51 \global\@nobreaktrue
52 \everypar{\global\@nobreakfalse\everypar{}}%
53 \endgroup
54 \fi}
55 \else
56 \renewcommand*\l@part{%
57 \ifnum \c@tocdepth >-2\relax
58 \addpenalty{-\@highpenalty}%
59 \addvspace{2.25em \@plus\p@}%
60 \regtocline{0}%
61 \fi}
62 \fi
63 \if@oldtoc
64 \renewcommand*\l@chapter[2]{%
65 \addpenalty{-\@highpenalty}%
66 \vskip 1.0em \@plus\p@
67 \setlength\@tempdima{1.5em}%
68 \begingroup
69 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
70 \parfillskip -\@pnumwidth
71 \leavevmode \bfseries
72 \advance\ifRTL\rightskip\else\leftskip\fi\@tempdima
73 \hskip -\ifRTL\rightskip\else\leftskip\fi
74 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
75 \penalty\@highpenalty
76 \endgroup}
77 \else
78 \renewcommand*\l@chapter{\@regtocline{0}}

```

```

79 \fi
80 \renewcommand*\left@footnote{%
81   \kern-3\p@
82   \kern.5\baselineskip
83   \hrule\@width\unitindent
84   \kern.4\baselineskip
85 }
86 \renewcommand*\right@footnote{%
87   \hbox to \columnwidth
88   {\beginR \vbox{%
89     \kern-3\p@
90     \kern.5\baselineskip
91     \hrule\@width\unitindent
92     \kern.4\baselineskip}\hfil\endR}
93 }
94 \renewenvironment{thebibliography}[1]
95   {\chapter*{\bibname}%
96     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
97   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
98   \list{\@biblabel{\@arabic\c@enumiv}}%
99     {\settowidth\labelwidth{\@biblabel{#1}}%
100      \leftmargin\labelwidth
101      \advance\leftmargin\labelsep
102      \@openbib@code
103      \usecounter{enumiv}%
104      \let\p@enumiv\@empty
105      \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
106   \sloppy\clubpenalty4000\widowpenalty4000%
107   \sfcode`. \m}
108   {\def\@noitemerr
109     {\@latex@warning{Empty `thebibliography' environment}}%
110   \endlist}
111 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
112 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
113 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
114 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
115 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
116 \renewcommand*\theequation{%
117   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
118 \renewcommand*\thefigure{%
119   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
120 \renewcommand*\thetable{%
121   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
122 \if@titlepage
123 \renewcommand*\TitleFont{\rmfamily}
124 \renewcommand*\maketitle{%
125   \begin{titlepage}%
126     \let\footnotesize\small
127     \let\right@footnote\relax
128     \let\left@footnote\relax

```

```

129 \let\textwidth@footnote\relax
130 \let \footnote \thanks
131 \long\def\@makefntext##1{\parindent\z@
132     \def\labelitemi{\textendash}\@revlabeltrue
133     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
134 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
135 \if@compatibility\setcounter{page}{0}\fi
136 \null\vfil
137 \vskip 60\p@
138 \begin{center}%
139     \TitleFont
140     {\LARGE \def\{\penalty -\@M}
141     \if@allcaps
142         \expandafter\uc@nothanks\@title\thanks\relax
143     \else
144         \@title
145     \fi\par}%
146 \vskip 3em%
147 {\large
148     \lineskip .75em \parindent\z@
149     \begin{tabular}[t]{c}%
150         \if@allcaps
151             \expandafter\uc@authornothanks\@author\and\relax
152         \else
153             \@author
154         \fi
155     \end{tabular}\par}%
156 \vskip 1.5em%
157 {\large
158     \if@allcaps
159         \uppercase\expandafter{\@date}%
160     \else
161         \@date
162     \fi\par}%
163 \end{center}\par
164 \@thanks
165 \vfil\null
166 \end{titlepage}%
167 \setcounter{footnote}{0}%
168 \global\let\thanks\relax
169 \global\let\maketitle\relax
170 \global\let\@thanks\@empty
171 \global\let\@author\@empty
172 \global\let\@title\@empty
173 \global\let\@date\@empty
174 \global\let\title\relax
175 \global\let\author\relax
176 \global\let\date\relax
177 \global\let\and\relax
178 }

```

```

179 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
180 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
181     \futurelet\@tempa\uc@ax}
182 \def\uc@ax{%
183     \ifx\@tempa\relax
184     \else
185     \\\ \andname \\\ \expandafter\uc@authornothanks
186     \fi}
187 \def\uc@tx{\ifx\@tempa\relax
188     \else \expandafter\uc@ty \fi}
189 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
190 \else
191 \renewcommand*\maketitle{\par
192     \begingroup
193     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
194     \def\@makefnmark{\rlap{%
195         \@textsuperscript{\normalfont\@thefnmark}}}%
196     \long\def\@makefntext{\@xmakefntext{%
197         \@textsuperscript{\normalfont\@thefnmark}}}%
198     \iftwocolumn
199         \ifnum \col@number=\@one
200         \maketitle
201         \else
202         \twocolumn[\maketitle]%
203         \fi
204     \else
205         \newpage
206         \global\@topnum\z@
207         \maketitle
208         \fi
209     \thispagestyle{plain}\@thanks
210     \endgroup
211     \setcounter{footnote}{0}%
212     \global\let\thanks\relax
213     \global\let\maketitle\relax
214     \global\let\@maketitle\relax
215     \global\let\@thanks\@empty
216     \global\let\@author\@empty
217     \global\let\@title\@empty
218     \global\let\@date\@empty
219     \global\let\title\relax
220     \global\let\author\relax
221     \global\let\date\relax
222     \global\let\and\relax
223     }
224 \def\@maketitle{%
225     \newpage
226     \null
227     \vskip 2em%
228     \begin{center}%

```

```

229 \let \footnote \thanks
230 {\LARGE \TitleFont \@title \par}%
231 \vskip 1.5em%
232 {\large \TitleFont
233 \lineskip .5em%
234 \begin{tabular}[t]{c}%
235 \@author
236 \end{tabular}\par}%
237 \vskip 1em%
238 {\large \TitleFont \@date}%
239 \end{center}%
240 \par
241 \vskip 1.5em}
242 \fi

```

### 7.63 rapport3-xetex-bidi.def

```

1 \ProvidesFile{rapport3-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for rapport3 class for XeTeX]
2 \if@titlepage
3 \renewcommand*\TitleFont{\rmfamily}
4 \renewcommand*\maketitle{%
5 \begin{titlepage}%
6 \let\footnotesize\small
7 \let\right@footnote\relax
8 \let\left@footnote\relax
9 \let\textwidth@footnote\relax
10 \let \footnote \thanks
11 \let \LTRfootnote \LTRthanks
12 \let \RTLfootnote \RTLthanks
13 \long\def\@makefnmark##1{\parindent\z@
14 \def\labelitemi{\textendash}\@revlabeltrue
15 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17 \if@compatibility\setcounter{page}{0}\fi
18 \null\vfil
19 \vskip 60\p@
20 \begin{center}%
21 \TitleFont
22 {\LARGE \def\\{\penalty -\@M}
23 \if@allcaps
24 \expandafter\uc@nothanks\@title\thanks\relax
25 \else
26 \@title
27 \fi\par}%
28 \vskip 3em%
29 {\large
30 \lineskip .75em \parindent\z@
31 \begin{tabular}[t]{c}%
32 \if@allcaps
33 \expandafter\uc@authornothanks\@author\and\relax

```

```

34         \else
35             \@author
36         \fi
37     \end{tabular}\par}%
38 \vskip 1.5em%
39 {\large
40 \if@allcaps
41 \uppercase\expandafter{\@date}%
42 \else
43 \@date
44 \fi\par}%
45 \end{center}\par
46 \@thanks
47 \vfil\null
48 \end{titlepage}%
49 \setcounter{footnote}{0}%
50 \global\let\thanks\relax
51 \global\let\LTRthanks\relax
52 \global\let\RTLthanks\relax
53 \global\let\maketitle\relax
54 \global\let\@thanks\@empty
55 \global\let\@author\@empty
56 \global\let\@title\@empty
57 \global\let\@date\@empty
58 \global\let\title\relax
59 \global\let\author\relax
60 \global\let\date\relax
61 \global\let\and\relax
62 }
63 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
64 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
65 \futurelet\@tempa\uc@ax}
66 \def\uc@ax{%
67 \ifx\@tempa\relax
68 \else
69 \ \ \andname \ \ \expandafter\uc@authornothanks
70 \fi}
71 \def\uc@tx{\ifx\@tempa\relax
72 \else \expandafter\uc@ty \fi}
73 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
74 \else
75 \renewcommand*\maketitle{\par
76 \begingroup
77 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
78 \def\@makefnmark{\rlap{%
79 \@textsuperscript{\normalfont\@thefnmark}}}%
80 \long\def\@makefntext{\@xmakefntext{%
81 \@textsuperscript{\normalfont\@thefnmark}}}%
82 \if@twocolumn
83 \ifnum \col@number=\@one

```

```

84     \@maketitle
85     \else
86         \twocolumn[\@maketitle]%
87     \fi
88     \else
89         \newpage
90         \global\@topnum\z@
91         \@maketitle
92     \fi
93     \thispagestyle{plain}\@thanks
94 \endgroup
95 \setcounter{footnote}{0}%
96 \global\let\thanks\relax
97 \global\let\LTRthanks\relax
98 \global\let\RTLthanks\relax
99 \global\let\maketitle\relax
100 \global\let\@maketitle\relax
101 \global\let\@thanks\@empty
102 \global\let\@author\@empty
103 \global\let\@title\@empty
104 \global\let\@date\@empty
105 \global\let\title\relax
106 \global\let\author\relax
107 \global\let\date\relax
108 \global\let\and\relax
109 }
110 \def\@maketitle{%
111     \newpage
112     \null
113     \vskip 2em%
114 \if@titlecentered
115     \begin{center}%
116         \let \footnote \thanks
117         \let \LTRfootnote \LTRthanks
118         \let \RTLfootnote \RTLthanks
119         {\LARGE \TitleFont \@title \par}%
120         \vskip 1.5em%
121         {\large \TitleFont
122             \lineskip .5em%
123             \begin{tabular}[t]{c}%
124                 \@author
125             \end{tabular}\par}%
126         \vskip 1em%
127         {\large \TitleFont \@date}%
128     \end{center}%
129 \else
130     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
131     {\large \TitleFont \lineskip .5em \tabcolsep\z@
132         \def\and{%% \begin{tabular} has already started
133             \end{tabular}\hskip 1em plus .17fil

```



```

134         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will com
135         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
136     \vskip 1em {\large \TitleFont \@date}
137 \fi
138 \par
139 \vskip 1.5em}
140 \fi
141 \renewcommand*\@regtocoline[3]{%
142     \ifnum #1>\c@tocdepth
143     \else
144         \vskip\z@\@plus.2\p@
145         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
146         \if@RTL\righskip\else\leftskip\fi\unitindent
147         \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
148         \parfillskip\z@
149         \@tempdima\unitindent
150         \parindent\z@
151         \leavevmode
152         \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
153         \hskip 1em \nobreak{\slshape #3}\par
154     }%
155 \fi}
156 \if@oldtoc
157 \renewcommand*\l@part[2]{%
158     \ifnum \c@tocdepth >-2\relax
159         \addpenalty{-\@highpenalty}%
160         \addvspace{2.25em \@plus\p@}%
161         \begingroup
162             \setlength\@tempdima{3em}%
163             \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
164             \parfillskip -\@pnumwidth
165             {\leavevmode
166                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
167                 \nobreak
168                 \global\@nobreaktrue
169                 \everypar{\global\@nobreakfalse\everypar{}}%
170             \endgroup
171         \fi}
172 \else
173     \renewcommand*\l@part{%
174         \ifnum \c@tocdepth >-2\relax
175             \addpenalty{-\@highpenalty}%
176             \addvspace{2.25em \@plus \p@}%
177             \@regtocoline{0}%
178         \fi}
179 \fi
180 \if@oldtoc
181 \renewcommand*\l@chapter[2]{%
182     \addpenalty{-\@highpenalty}%
183     \vskip 1.0em \@plus\p@

```

```

184 \setlength\@tempdima{1.5em}%
185 \begingroup
186 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
187 \parfillskip -\@pnumwidth
188 \leavevmode \bfseries
189 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
190 \hskip -\if@RTL\rightskip\else\leftskip\fi
191 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
192 \penalty\@highpenalty
193 \endgroup}
194 \else
195 \renewcommand*\l@chapter{\@regtocline{0}}
196 \fi
197 \renewcommand*\head@style{%
198 \interlinepenalty \@M
199 \hyphenpenalty=\@M \exhyphenpenalty=\@M
200 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
201 \if@titlepage
202 \renewenvironment{abstract}{%
203 \titlepage
204 \null\vfil
205 \section*\SectFont\abstractname}%
206 \noindent\ignorespaces
207 {\par\vfil\null\endtitlepage}
208 \else
209 \renewenvironment{abstract}{%
210 \if@twocolumn
211 \section*\abstractname}%
212 \else
213 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
214 \section*\small\SectFont\abstractname}%
215 \noindent\ignorespaces
216 \fi}
217 {\if@twocolumn\else\par\egroup\fi}
218 \fi
219 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
220 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
221 \renewcommand*\thesubsubsection{\thesubsubsection\@SepMark\@arabic\c@subsubsection}
222 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
223 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
224 \renewcommand*\thefigure{%
225 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
226 \renewcommand*\thetable{%
227 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
228 \renewcommand*\theequation{%
229 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
230 \renewenvironment{thebibliography}[1]
231 {\chapter*\bibname}%
232 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
233 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```

```

234 \list{\@biblabel{\@arabic\c@enumiv}}%
235   {\settowidth\labelwidth{\@biblabel{#1}}%
236    \leftmargin\labelwidth
237    \advance\leftmargin\labelsep
238    \@openbib@code
239    \usecounter{enumiv}}%
240   \let\p@enumiv\@empty
241   \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
242 \sloppy\clubpenalty4000\widowpenalty4000%
243 \sfcode`. \.\@m}
244 {\def\@noitemerr
245  {\@latex@warning{Empty `thebibliography' environment}}%
246  \endlist}
247 \renewcommand*\left@footnote{%
248  \kern-3\p@
249  \kern.5\baselineskip
250  \hrule\@width\unitindent
251  \kern.4\baselineskip
252 }
253 \renewcommand*\right@footnote{%
254  \hbox to \columnwidth
255  {\beginR \vbox{%
256   \kern-3\p@
257   \kern.5\baselineskip
258   \hrule\@width\unitindent
259   \kern.4\baselineskip}\hfil\endR}
260 }
261 \renewcommand*\head@style{%
262  \interlinepenalty \@M
263  \hyphenpenalty=\@M \exhyphenpenalty=\@M
264  \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

## 7.64 refrep-xetex-bidi.def

```

1 \ProvidesFile{refrep-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for refrep class for XeTeX eng
2 \if@titlepage
3  \renewcommand\maketitle{\begin{titlepage}}%
4  \let\footnotesize\small
5  \let\right@footnote\relax
6  \let\left@footnote\relax
7  \let\textwidth@footnote\relax
8  \let\footnote\thanks
9  \let\LTRfootnote\LTRthanks
10 \let\RTLfootnote\RTLthanks
11 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
12 \def\@makefnmark%
13  {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14 \long\def\@makefntext##1{%
15  \setpar{\@par
16  \tempdima = \hsize

```

```

17         \advance\@tempdima -1em
18         \parshape \@ne 1em \@tempdima}%
19     \par\parindent 1em \noindent
20     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21 \null\vfil
22 \vskip 60\p@
23 \begin{center}%
24     {\LARGE \@title \par}%
25     \vskip 3em%
26     {\large
27     \lineskip .75em%
28     \begin{tabular}[t]{c}%
29         \@author
30     \end{tabular}\par}%
31     \vskip 1.5em%
32     {\large \@date \par}%           % Set date in \large size.
33 \end{center}\par
34 \@thanks
35 \vfil\null
36 \end{titlepage}%
37 \setcounter{footnote}{0}%
38 \global\let\thanks\relax
39 \global\let\LTRthanks\relax
40 \global\let\RTLthanks\relax
41 \global\let\maketitle\relax
42 \global\let\@thanks\@empty
43 \global\let\@author\@empty
44 \global\let\@date\@empty
45 \global\let\@title\@empty
46 \global\let\title\relax
47 \global\let\author\relax
48 \global\let\date\relax
49 \global\let\and\relax
50 }
51 \else
52 \renewcommand\maketitle{\par
53     \begingroup
54     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
55     \def\@makefnmark%
56         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
57     \long\def\@makefntext##1{%
58         \@setpar{\@par
59             \@tempdima = \hspace
60             \advance\@tempdima -1em
61             \parshape \@ne 1em \@tempdima}%
62         \par\parindent 1em \noindent
63         \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
64     \if@twocolumn
65         \ifnum \col@number=\@ne
66             \@maketitle

```

```

67     \else
68         \twocolumn[\@maketitle]%
69     \fi
70 \else
71     \newpage
72     \global\@topnum\z@ % Prevents figures from going at top of page.
73     \@maketitle
74     \fi
75     \thispagestyle{empty}\@thanks
76 \endgroup
77 \setcounter{footnote}{0}%
78 \global\let\thanks\relax
79 \global\let\LTRthanks\relax
80 \global\let\RTLthanks\relax
81 \global\let\maketitle\relax
82 \global\let\@maketitle\relax
83 \global\let\@thanks\@empty
84 \global\let\@author\@empty
85 \global\let\@date\@empty
86 \global\let\@title\@empty
87 \global\let\title\relax
88 \global\let\author\relax
89 \global\let\date\relax
90 \global\let\and\relax
91 }
92 \def\@maketitle{%
93     \newpage
94     \null
95     \longthickrule\vskip1.5em%
96     \let \footnote \thanks
97     \let \LTRfootnote \LTRthanks
98     \let \RTLfootnote \RTLthanks
99     {\secshape \parskip\z@ \parindent\z@
100     \Large\bfseries \@title \par}%
101     \vskip1.5em\longthickrule\vskip1.5em%
102     {\normalsize
103     \lineskip .5em%
104     \begin{flushright}%
105         {\slshape\@author\par}
106         \vskip 1em%
107         {\@date}%
108     \end{flushright}\par}%
109     \vskip 1.5em}
110 \fi
111 \renewcommand*\l@part[2]{%
112     \ifnum \c@tocdepth >-2\relax
113         \addpenalty{-\@highpenalty}%
114         \addvspace{2.25em \@plus\p@}%
115     \begingroup
116         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```

```

117 \parfillskip -\@pnumwidth
118 {\leavevmode
119 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
120 \nobreak
121 \global\@nobreaktrue
122 \everypar{\global\@nobreakfalse\everypar{}}%
123 \endgroup
124 \fi}
125 \renewcommand*\l@chapter[2]{%
126 \ifnum \c@tocdepth >\m@ne
127 \addpenalty{-\@highpenalty}%
128 \vskip 1.0em \@plus\p@
129 \setlength\@tempdima{1.5em}%
130 \begingroup
131 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
132 \parfillskip -\@pnumwidth
133 \leavevmode \bfseries
134 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
135 \hskip -\if@RTL\rightskip\else\leftskip\fi
136 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
137 \penalty\@highpenalty
138 \endgroup
139 \fi}
140 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
141 \if@RTL\leftskip\else\rightskip\fi=@flushglue%
142 \hyphenpenalty=2000}
143 \renewcommand\left@footnote{%
144 \kern-3\p@
145 \hrule\@width.4\columnwidth
146 \kern 2.6\p@}
147 \renewcommand\right@footnote{%
148 \hbox to \columnwidth
149 {\beginR \vbox{%
150 \kern-3\p@
151 \hrule\@width.4\columnwidth
152 \kern 2.6\p@}\hfil\endR}}
153 \renewcommand\theequation
154 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
155 \renewcommand\thefigure
156 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
157 \renewcommand\thetable%
158 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
159 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
160 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
161 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
162 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
163 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
164 \renewenvironment{thebibliography}[1]
165 {\chapter*{\bibname
166 \@mkboth{\bibname}{\bibname}}}%

```

```

167 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
168 \list{\@biblabel{\@arabic\c@enumiv}}%
169     {\settowidth\labelwidth{\@biblabel{#1}}%
170     \leftmargin\labelwidth
171     \advance\leftmargin\labelsep
172     \@openbib@code
173     \usecounter{enumiv}%
174     \let\p@enumiv\@empty
175     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
176     \sloppy
177     \clubpenalty4000
178     \@clubpenalty \clubpenalty
179     \widowpenalty4000%
180     \sfcode\.\@m}
181 {\def\@noitemerr
182  {\@latex@warning{Empty `thebibliography' environment}}}%
183 \endlist}

```

## 7.65 report-xetex-bidi.def

```

1 \ProvidesFile{report-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for standard report class for
2 \if@titlepage
3 \renewcommand\maketitle{\begin{titlepage}%
4 \let\footnotesize\small
5 \let\right@footnote\relax
6 \let\left@footnote\relax
7 \let\textwidth@footnote\relax
8 \let \footnote \thanks
9 \let \LTRfootnote \LTRthanks
10 \let \RTLfootnote \RTLthanks
11 \null\vfil
12 \vskip 60\p@
13 \begin{center}%
14   {\LARGE \@title \par}%
15   \vskip 3em%
16   {\large
17     \lineskip .75em%
18     \begin{tabular}[t]{c}%
19       \@author
20     \end{tabular}\par}%
21   \vskip 1.5em%
22   {\large \@date \par}%           % Set date in \large size.
23 \end{center}\par
24 \@thanks
25 \vfil\null
26 \end{titlepage}%
27 \setcounter{footnote}{0}%
28 \global\let\thanks\relax
29 \global\let\LTRthanks\relax
30 \global\let\RTLthanks\relax

```

```

31 \global\let\maketitle\relax
32 \global\let\@thanks\@empty
33 \global\let\@author\@empty
34 \global\let\@date\@empty
35 \global\let\@title\@empty
36 \global\let\title\relax
37 \global\let\author\relax
38 \global\let\date\relax
39 \global\let\and\relax
40 }
41 \else
42 \renewcommand\maketitle{\par
43 \begingroup
44 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
45 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
46 \long\def\@makefntext##1{\parindent 1em\noindent
47 \hb@xt@1.8em{%
48 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
49 \if@twocolumn
50 \ifnum \col@number=\@one
51 \maketitle
52 \else
53 \twocolumn[\maketitle]%
54 \fi
55 \else
56 \newpage
57 \global\topnum=z@ % Prevents figures from going at top of page.
58 \maketitle
59 \fi
60 \thispagestyle{plain}\@thanks
61 \endgroup
62 \setcounter{footnote}{0}%
63 \global\let\thanks\relax
64 \global\let\LTRthanks\relax
65 \global\let\RTLthanks\relax
66 \global\let\maketitle\relax
67 \global\let\@maketitle\relax
68 \global\let\@thanks\@empty
69 \global\let\@author\@empty
70 \global\let\@date\@empty
71 \global\let\@title\@empty
72 \global\let\title\relax
73 \global\let\author\relax
74 \global\let\date\relax
75 \global\let\and\relax
76 }
77 \def\@maketitle{%
78 \newpage
79 \null
80 \vskip 2em%

```



```

81 \begin{center}%
82 \let \footnote \thanks
83 \let \LTRfootnote \LTRthanks
84 \let \RTLfootnote \RTLthanks
85 {\LARGE \@title \par}%
86 \vskip 1.5em%
87 {\large
88 \lineskip .5em%
89 \begin{tabular}[t]{c}%
90 \author
91 \end{tabular}\par}%
92 \vskip 1em%
93 {\large \@date}%
94 \end{center}%
95 \par
96 \vskip 1.5em}
97 \fi
98 \renewcommand*\l@part[2]{%
99 \ifnum \c@tocdepth >-2\relax
100 \addpenalty{-\@highpenalty}%
101 \addvspace{2.25em \@plus\p@}%
102 \setlength\@tempdima{3em}%
103 \begingroup
104 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
105 \parfillskip -\@pnumwidth
106 {\leavevmode
107 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
108 \nobreak
109 \global\@nobreaktrue
110 \everypar{\global\@nobreakfalse\everypar{}}%
111 \endgroup
112 \fi}
113 \renewcommand*\l@chapter[2]{%
114 \ifnum \c@tocdepth >\m@ne
115 \addpenalty{-\@highpenalty}%
116 \vskip 1.0em \@plus\p@
117 \setlength\@tempdima{1.5em}%
118 \begingroup
119 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
120 \parfillskip -\@pnumwidth
121 \leavevmode \bfseries
122 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
123 \hskip -\if@RTL\rightskip\else\leftskip\fi
124 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
125 \penalty\@highpenalty
126 \endgroup
127 \fi}
128 \renewcommand\left@footnote{%
129 \kern-3\p@
130 \hrule\@width.4\columnwidth

```

```

131 \kern2.6\p@}
132 \renewcommand\right@footnote{%
133 \hbox to \columnwidth
134 {\beginR \vbox{%
135 \kern-3\p@
136 \hrule\@width.4\columnwidth
137 \kern2.6\p@}\hfil\endR}}
138 \renewcommand\theequation
139 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
140 \renewcommand \thefigure
141 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
142 \renewcommand \thetable
143 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
144 \renewcommand \thechapter {\@arabic\c@chapter}
145 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
146 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
147 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
148 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
149 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
150 \def\@makechapterhead#1{%
151 \vspace*{50\p@}%
152 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
153 \ifnum \c@secnumdepth >\m@ne
154 \huge\bfseries \@chapapp\space \thechapter
155 \par\nobreak
156 \vskip 20\p@
157 \fi
158 \interlinepenalty\@M
159 \Huge \bfseries #1\par\nobreak
160 \vskip 40\p@
161 }}
162 \def\@makeschapterhead#1{%
163 \vspace*{50\p@}%
164 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
165 \normalfont
166 \interlinepenalty\@M
167 \Huge \bfseries #1\par\nobreak
168 \vskip 40\p@
169 }}
170 \renewenvironment{thebibliography}[1]
171 {\chapter*{\bibname}%
172 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
173 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
174 \list{\@biblabel{\@arabic\c@enumiv}}%
175 {\settowidth\labelwidth{\@biblabel{#1}}%
176 \leftmargin\labelwidth
177 \advance\leftmargin\labelsep
178 \openbib@code
179 \usecounter{enumiv}%
180 \let\p@enumiv\@empty

```

```

181         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
182     \sloppy
183     \clubpenalty4000
184     \@clubpenalty \clubpenalty
185     \widowpenalty4000%
186     \sfcode`. \. \@m}
187     {\def\@noitemerr
188       {\@latex@warning{Empty `thebibliography' environment}}}%
189     \endlist}

```

## 7.66 scartcl-xetex-bidi.def

```

1 \ProvidesFile{scartcl-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for scartcl class for XeTeX]
2 \renewcommand*\maketitle[1][1]{%
3   \if@titlepage
4     \begin{titlepage}
5       \setcounter{page}{%
6         #1%
7       }%
8       \let\footnotesize\small
9       \let\right@footnote\relax
10      \let\left@footnote\relax
11      \let\textwidth@footnote\relax
12      \let\footnote\thanks
13      \let\LTRfootnote\LTRthanks
14      \let\RTLfootnote\RTLthanks
15      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16      \let\@oldmakefnmark\@makefnmark
17      \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
18      \ifx\@extratitle\@empty \else
19        \noindent\@extratitle\next@tpage\cleardoubleemptypage
20        \thispagestyle{empty}%
21      \fi
22      \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23      \ifx\@titlehead\@empty \else
24        \begin{minipage}[t]{\textwidth}%
25          \@titlehead
26        \end{minipage}\par
27      \fi
28      \null\vfill
29      \begin{center}
30        \ifx\@subject\@empty \else
31          {\subject@font \@subject \par}%
32          \vskip 3em
33        \fi
34        {\titlefont\huge \@title\par}%
35        \vskip 1em
36        {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
37        \vskip 2em
38        {\Large \lineskip 0.75em

```

```

39         \begin{tabular}[t]{c}
40             \@author
41         \end{tabular}\par
42     }%
43     \vskip 1.5em
44     {\Large \@date \par}%
45     \vskip \z@ \@plus3fill
46     {\Large \@publishers \par}%
47     \vskip 3em
48 \end{center}\par
49 \@thanks
50 \vfill\null
51 \if@twoside\next@tpage
52     \begin{minipage}[t]{\textwidth}
53         \@uppertitleback
54     \end{minipage}\par
55     \vfill
56     \begin{minipage}[b]{\textwidth}
57         \@lowertitleback
58     \end{minipage}
59 \fi
60 \ifx\@dedication\@empty \else
61     \next@tpage\null\vfill
62     {\centering \Large \@dedication \par}%
63     \vskip \z@ \@plus3fill
64     \if@twoside \next@tpage\cleardoubleemptypage \fi
65 \fi
66 \end{titlepage}
67 \else
68     \par
69     \@tempcnta=
70     #1%
71     \relax\ifnum\@tempcnta=1\else
72         \ClassWarning{\KOMAClassName}{%
73             Optional argument of \string\maketitle\space ignored
74             at\MessageBreak
75             notitlepage-mode%
76         }%
77 \fi
78 \begingroup
79     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
80     \let\@oldmakefnmark\@makefnmark
81     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
82     \if@twocolumn
83         \ifnum \col@number=\@ne
84             \@maketitle
85         \else
86             \twocolumn[\@maketitle]%
87         \fi
88     \else

```

```

89     \newpage
90     \global\@topnum\z@
91     \@maketitle
92     \fi
93     \thispagestyle{\titlepagestyle}\@thanks
94     \endgroup
95     \fi
96     \setcounter{footnote}{0}%
97     \let\thanks\relax
98     \let\LTRthanks\relax
99     \let\RTLthanks\relax
100    \let\maketitle\relax
101    \let\@maketitle\relax
102    \global\let\@thanks\@empty
103    \global\let\@author\@empty
104    \global\let\@date\@empty
105    \global\let\@title\@empty
106    \global\let\@subtitle\@empty
107    \global\let\@extratitle\@empty
108    \global\let\@titlehead\@empty
109    \global\let\@subject\@empty
110    \global\let\@publishers\@empty
111    \global\let\@uppertitleback\@empty
112    \global\let\@lowertitleback\@empty
113    \global\let\@dedication\@empty
114    \global\let\author\relax
115    \global\let\title\relax
116    \global\let\extratitle\relax
117    \global\let\titlehead\relax
118    \global\let\subject\relax
119    \global\let\publishers\relax
120    \global\let\uppertitleback\relax
121    \global\let\lowertitleback\relax
122    \global\let\dedication\relax
123    \global\let\date\relax
124    \global\let\and\relax
125 }%
126 \renewcommand*{\@maketitle}{%
127   \clearpage
128   \let\footnote\thanks
129   \let\LTRfootnote\LTRthanks
130   \let\RTLfootnote\RTLthanks
131   \ifx\@extratitle\@empty \else
132     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
133   \fi
134   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
135   \ifx\@titlehead\@empty \else
136     \begin{minipage}[t]{\textwidth}
137       \@titlehead
138     \end{minipage}\par

```

```

139 \fi
140 \null
141 \vskip 2em%
142 \begin{center}%
143   \ifx\@subject\@empty \else
144     {\subject@font \@subject \par}
145     \vskip 1.5em
146   \fi
147   {\titlefont\huge \@title \par}%
148   \vskip .5em
149   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
150   \vskip 1em
151   {\Large
152     \lineskip .5em%
153     \begin{tabular}[t]{c}
154       \@author
155     \end{tabular}\par
156   }%
157   \vskip 1em%
158   {\Large \@date \par}%
159   \vskip \z@ \@plus 1em
160   {\Large \@publishers \par}
161   \ifx\@dedication\@empty \else
162     \vskip 2em
163     {\Large \@dedication \par}
164   \fi
165 \end{center}%
166 \par
167 \vskip 2em
168 }%
169 \renewcommand*\l@part[2]{%
170   \ifnum \c@tocdepth >\m@ne\relax
171     \addpenalty{\@secpenalty}%
172     \addvspace{2.25em \@plus\p@}%
173     \setlength{\@tempdima}{2em}%
174     \if@tocleft
175       \ifx\toc@l@number\@empty\else
176         \setlength\@tempdima{0\toc@l@number}%
177       \fi
178     \fi
179     \begingroup
180       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
181       \parfillskip -\@pnumwidth
182       \leavevmode
183       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
184       \hskip -\if@RTL\rightskip\else\leftskip\fi
185       \usekomafont{partentry}{#1\nobreak
186         \usekomafont{partentrypagenumber}{\hfil\nobreak
187           \hb@xt@\@pnumwidth{\hss#2}}}\par
188       \ifnum \scr@compatibility>\@nameuse{scr@v2.96}\relax

```

```

189     \endgroup
190     \penalty20010
191     \else
192         \if@compatibility
193             \global\@nobreaktrue
194             \everypar{\global\@nobreakfalse\everypar{}}%
195         \else
196             \penalty\@highpenalty
197         \fi
198     \endgroup
199 \fi
200 \fi
201 }
202 \renewcommand*\l@section[2]{%
203     \ifnum \c@tocdepth >\z@
204         \ifnum \lastpenalty<20009
205             \addpenalty{\@secpenalty}%
206         \fi
207         \addvspace{1.0em \@plus\p@}%
208         \setlength\@tempdima{1.5em}%
209         \if@tocleft
210             \ifx\toc@l@number\@empty\else
211                 \setlength\@tempdima{0\toc@l@number}%
212             \fi
213         \fi
214     \begingroup
215         \raggedsectionentry
216         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
217         \parfillskip -\@pnumwidth
218         \interlinepenalty\@M
219         \leavevmode
220         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\
221         \usekomafont{sectionentry}{#1\nobreak
222             \usekomafont{sectionentrypagenumber}{%
223                 \hfill\nobreak
224                 \hb@xt@\@pnumwidth{\hss#2}}}\par
225     \endgroup
226     \ifnum \scr@compatibility>\@nameuse{scr@v02.96}\relax
227         \penalty20008
228     \fi
229 \fi
230 }
231 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
232 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
233 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
234 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
235 \renewcommand*\thesubsubsection{%
236     \thesubsection\@SepMark\@arabic\c@subsubsection
237 }
238 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}

```

```

239 \renewcommand*{\thesubparagraph}{%
240 \theparagraph\@SepMark\@arabic\c@subparagraph
241 }
242 \renewenvironment{thebibliography}[1]{%
243 \if@bib@break@
244 \bib@beginhook
245 \else
246 \bib@heading
247 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
248 \noindent\bibpreamble\par\nobreak
249 \fi\fi
250 \bib@beginhook
251 \bib@before@hook
252 \fi
253 \renewcommand{\BreakBibliography}[1]{%
254 \@bib@break
255 \end{thebibliography}%
256 \begingroup ##1\endgroup
257 \begin{thebibliography}{#1}
258 }%
259 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
260 \list{%
261 \@biblabel{\@arabic\c@enumiv}%
262 }{%
263 \settowidth\labelwidth{\@biblabel{#1}}%
264 \leftmargin\labelwidth
265 \advance\leftmargin\labelsep
266 \@openbib@code
267 \if@bib@break@
268 \edef\@tempa{%
269 \noexpand\usecounter{enumiv}%
270 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
271 }\@tempa
272 \no@bib@break
273 \else
274 \usecounter{enumiv}%
275 \fi
276 \let\p@enumiv\@empty
277 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
278 }%
279 \sloppy\clubpenalty4000 \widowpenalty4000
280 \sfcode`\.=\@m
281 }{%
282 \if@bib@break@
283 \def\@noitemerr{%
284 \@latex@warning{%
285 \string\BreakBibliography\space at begin of `thebibliography'
286 environment\MessageBreak
287 or following \string\BreakBibliography}%
288 }%

```



```

289 \else
290   \def\@noitemerr{%
291     \@latex@warning{%
292       Empty `thebibliography' environment or
293       \string\BreakBibliography\MessageBreak
294       before end of `thebibliography' environment}%
295     }%
296 \fi
297 \endlist
298 \if@bib@break@
299 \else
300   \bib@after@hook
301   \let\bib@before@hook\@empty
302   \let\bib@after@hook\@empty
303 \fi
304 \bib@endhook
305 }
306 \renewcommand*\left@footnote{%
307   \kern-3\p@
308   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
309   \hrule\@width.4\columnwidth
310   \kern 2.6\p@}
311 \renewcommand*\right@footnote{%
312   \hbox to \columnwidth
313   {\beginR \vbox{%
314     \kern-3\p@
315     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
316     \hrule\@width.4\columnwidth
317     \kern 2.6\p@}\hfil\endR}}
318 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
319 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
320 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
321 \renewcommand\marginline[1]{%
322   \marginpar [\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi #1}
323 }

```

## 7.67 scrbook-xetex-bidi.def

```

1 \ProvidesFile{scrbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for scrbook class for XeTeX e
2 \renewcommand*\maketitle[1][1]{%
3   \if@titlepage
4     \begin{titlepage}
5       \setcounter{page}{%
6         #1%
7       }%
8       \let\footnotesize\small
9       \let\right@footnote\relax
10      \let\left@footnote\relax
11      \let\textwidth@footnote\relax
12      \let\footnote\thanks

```

```

13 \let\LTRfootnote\LTRthanks
14 \let\RTLfootnote\RTLthanks
15 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16 \let\@oldmakefnmark\@makefnmark
17 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
18 \ifx\@extratitle\@empty \else
19 \noindent\@extratitle\next@tpage\cleardoubleemptypage
20 \thispagestyle{empty}%
21 \fi
22 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23 \ifx\@titlehead\@empty \else
24 \begin{minipage}[t]{\textwidth}%
25 \@titlehead
26 \end{minipage}\par
27 \fi
28 \null\vfill
29 \begin{center}
30 \ifx\@subject\@empty \else
31 {\subject@font \@subject \par}%
32 \vskip 3em
33 \fi
34 {\titlefont\huge \@title\par}%
35 \vskip 1em
36 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
37 \vskip 2em
38 {\Large \lineskip 0.75em
39 \begin{tabular}[t]{c}
40 \@author
41 \end{tabular}\par
42 }%
43 \vskip 1.5em
44 {\Large \@date \par}%
45 \vskip \z@ \@plus3fill
46 {\Large \@publishers \par}%
47 \vskip 3em
48 \end{center}\par
49 \@thanks
50 \vfill\null
51 \if@twoside\next@tpage
52 \begin{minipage}[t]{\textwidth}
53 \@uppertitleback
54 \end{minipage}\par
55 \vfill
56 \begin{minipage}[b]{\textwidth}
57 \@lowertitleback
58 \end{minipage}
59 \fi
60 \ifx\@dedication\@empty \else
61 \next@tpage\null\vfill
62 {\centering \Large \@dedication \par}%

```

```

63     \vskip \z@ \@plus3fill
64     \if@twoside \next@tpage\cleardoubleemptypage \fi
65     \fi
66     \end{titlepage}
67 \else
68     \par
69     \@tempcnta=%
70     #1%
71     \relax\ifnum\@tempcnta=1\else
72     \ClassWarning{\KOMAClassName}{%
73     Optional argument of \string\maketitle\space ignored
74     at\MessageBreak
75     notitlepage-mode%
76     }%
77     \fi
78     \begingroup
79     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
80     \let\@oldmakefnmark\@makefnmark
81     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
82     \if@twocolumn
83     \ifnum \col@number=\@ne
84     \@maketitle
85     \else
86     \twocolumn[\@maketitle]%
87     \fi
88     \else
89     \newpage
90     \global\@topnum\z@
91     \@maketitle
92     \fi
93     \thispagestyle{\titlepagestyle}\@thanks
94     \endgroup
95     \fi
96     \setcounter{footnote}{0}%
97     \let\thanks\relax
98     \let\LTRthanks\relax
99     \let\RTLthanks\relax
100    \let\maketitle\relax
101    \let\@maketitle\relax
102    \global\let\@thanks\@empty
103    \global\let\@author\@empty
104    \global\let\@date\@empty
105    \global\let\@title\@empty
106    \global\let\@subtitle\@empty
107    \global\let\@extratitle\@empty
108    \global\let\@titlehead\@empty
109    \global\let\@subject\@empty
110    \global\let\@publishers\@empty
111    \global\let\@uppertitleback\@empty
112    \global\let\@lowertitleback\@empty

```

```

113 \global\let\@dedication\@empty
114 \global\let\author\relax
115 \global\let\title\relax
116 \global\let\extratitle\relax
117 \global\let\titlehead\relax
118 \global\let\subject\relax
119 \global\let\publishers\relax
120 \global\let\uppertitleback\relax
121 \global\let\lowertitleback\relax
122 \global\let\dedication\relax
123 \global\let\date\relax
124 \global\let\and\relax
125 }%
126 \renewcommand*{\@maketitle}{%
127 \clearpage
128 \let\footnote\thanks
129 \let\LTRfootnote\LTRthanks
130 \let\RTLfootnote\RTLthanks
131 \ifx\@extratitle\@empty \else
132 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
133 \fi
134 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
135 \ifx\@titlehead\@empty \else
136 \begin{minipage}[t]{\textwidth}
137 \@titlehead
138 \end{minipage}\par
139 \fi
140 \null
141 \vskip 2em%
142 \begin{center}%
143 \ifx\@subject\@empty \else
144 {\subject@font \@subject \par}
145 \vskip 1.5em
146 \fi
147 {\titlefont\huge \@title \par}%
148 \vskip .5em
149 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
150 \vskip 1em
151 {\Large
152 \lineskip .5em%
153 \begin{tabular}[t]{c}
154 \@author
155 \end{tabular}\par
156 }%
157 \vskip 1em%
158 {\Large \@date \par}%
159 \vskip \z@ \@plus 1em
160 {\Large \@publishers \par}
161 \ifx\@dedication\@empty \else
162 \vskip 2em

```

```

163     {\Large \@dedication \par}
164     \fi
165 \end{center}%
166 \par
167 \vskip 2em
168 }%
169 \renewcommand*\l@part[2]{%
170 \ifnum \c@tocdepth >-2\relax
171 \addpenalty{-\@highpenalty}%
172 \addvspace{2.25em \@plus\p@}%
173 \setlength{\@tempdima}{2em}%
174 \if@tocleft
175 \ifx\toc@l@number\@empty\else
176 \setlength\@tempdima{0\toc@l@number}%
177 \fi
178 \fi
179 \begingroup
180 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
181 \parfillskip -\@pnumwidth
182 \leavevmode
183 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
184 \hskip -\if@RTL\rightskip\else\leftskip\fi
185 \usekomafont{partentry}{#1\nobreak
186 \usekomafont{partentrypagenumber}{\hfil\nobreak
187 \hb@xt@\@pnumwidth{\hss#2}}\par
188 \ifnum \scr@compatibility>\@nameuse{scr@v2.96}\relax
189 \endgroup
190 \penalty20010
191 \else
192 \penalty\@highpenalty
193 \endgroup
194 \fi
195 \fi
196 }\renewcommand*\l@part[2]{%
197 \ifnum \c@tocdepth >-2\relax
198 \addpenalty{-\@highpenalty}%
199 \addvspace{2.25em \@plus\p@}%
200 \setlength{\@tempdima}{2em}%
201 \if@tocleft
202 \ifx\toc@l@number\@empty\else
203 \setlength\@tempdima{0\toc@l@number}%
204 \fi
205 \fi
206 \begingroup
207 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
208 \parfillskip -\@pnumwidth
209 \leavevmode
210 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
211 \hskip -\if@RTL\rightskip\else\leftskip\fi
212 \usekomafont{partentry}{#1\nobreak

```

```

213     \usekomafont{partentrypagenumber}{\hfil\nobreak
214     \hb@xt@{\@pnumwidth{\hss#2}}}\par
215     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
216     \endgroup
217     \penalty20010
218     \else
219     \penalty\@highpenalty
220     \endgroup
221     \fi
222 \fi
223 }
224 \renewcommand*\l@chapter[2]{%
225 \ifnum \c@tocdepth >\m@ne
226 \ifnum \lastpenalty<20010
227 \addpenalty{-\@highpenalty}%
228 \fi
229 \vskip 1.0em \@plus\p@
230 \setlength\@tempdima{1.5em}%
231 \if@tocleft
232 \ifx\toc@l@number\@empty\else
233 \setlength\@tempdima{0\toc@l@number}%
234 \fi
235 \fi
236 \begingroup
237 \raggedchapterentry
238 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
239 \parfillskip -\@pnumwidth
240 \interlinepenalty\@M
241 \leavevmode
242 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
243 \usekomafont{chapterentry}{#1\nobreak
244 \usekomafont{chapterentrypagenumber}{%
245 \hfill\nobreak
246 \hb@xt@{\@pnumwidth{\hss#2}}}\par
247 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
248 \endgroup
249 \penalty20009
250 \else
251 \penalty\@highpenalty
252 \endgroup
253 \fi
254 \fi
255 }
256 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
257 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
258 \renewcommand*\thesection{%
259 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
260 \if@mainmatter\thechapter\@SepMark\fi
261 \else
262 \thechapter\@SepMark%

```

```

263 \fi
264 \@arabic\c@section
265 }
266 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
267 \renewcommand*{\thesubsubsection}{%
268 \thesubsection\@SepMark\@arabic\c@subsubsection
269 }
270 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
271 \renewcommand*{\thesubparagraph}{%
272 \theparagraph\@SepMark\@arabic\c@subparagraph
273 }
274 \renewcommand*\thefigure{%
275 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
276 \if@mainmatter\thechapter\@SepMark\fi
277 \else
278 \thechapter\@SepMark%
279 \fi
280 \@arabic\c@figure
281 }
282 \renewcommand*\thetable{%
283 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
284 \if@mainmatter\thechapter\@SepMark\fi
285 \else
286 \thechapter\@SepMark%
287 \fi
288 \@arabic\c@table
289 }
290 \renewcommand*\theequation{%
291 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
292 \if@mainmatter\thechapter\@SepMark\fi
293 \else
294 \thechapter\@SepMark%
295 \fi
296 \@arabic\c@equation
297 }
298 \renewenvironment{thebibliography}[1]{%
299 \if@bib@break@
300 \bib@beginhook
301 \else
302 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
303 \setchapterpreamble{\bibpreamble}%
304 \fi\fi
305 \bib@heading
306 \bib@beginhook
307 \bib@before@hook
308 \fi
309 \renewcommand{\BreakBibliography}[1]{%
310 \@bib@break
311 \end{thebibliography}%
312 \begingroup ##1\endgroup

```

```

313 \begin{thebibliography}{#1}
314 }%
315 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
316 \list{
317 \biblabel{\@arabic\c@enumiv}%
318 }{
319 \settowidth\labelwidth{\biblabel{#1}}%
320 \leftmargin\labelwidth
321 \advance\leftmargin\labelsep
322 \@openbib@code
323 \if@bib@break@
324 \edef\@tempa{
325 \noexpand\usecounter{enumiv}%
326 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
327 }\@tempa
328 \no@bib@break
329 \else
330 \usecounter{enumiv}%
331 \fi
332 \let\p@enumiv\@empty
333 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
334 }%
335 \sloppy\clubpenalty4000 \widowpenalty4000
336 \sfcode\.\@m
337 }{
338 \if@bib@break@
339 \def\@noitemerr{
340 \@latex@warning{
341 \string\BreakBibliography\space at begin of `thebibliography'
342 environment\MessageBreak
343 or following \string\BreakBibliography}%
344 }%
345 \else
346 \def\@noitemerr{
347 \@latex@warning{
348 Empty `thebibliography' environment or
349 \string\BreakBibliography\MessageBreak
350 before end of `thebibliography' environment}%
351 }%
352 \fi
353 \endlist
354 \if@bib@break@
355 \else
356 \bib@after@hook
357 \let\bib@before@hook\@empty
358 \let\bib@after@hook\@empty
359 \fi
360 \bib@endhook
361 }
362 \renewcommand*\left@footnote{

```



```

363 \kern-3\p@
364 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
365 \hrule\@width.4\columnwidth
366 \kern 2.6\p@}
367 \renewcommand*\right@footnote{%
368 \hbox to \columnwidth
369 {\beginR \vbox{%
370 \kern-3\p@
371 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
372 \hrule\@width.4\columnwidth
373 \kern 2.6\p@}\hfil\endR}}
374 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
375 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
376 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
377 \renewcommand\marginline[1]{%
378 \marginpar [\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi #
379 }

```

## 7.68 scrlettr-xetex-bidi.def

```

1 \ProvidesFile{scrlettr-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for scrlettr class for XeTeX]
2 \def\@datefield{\@reffalse}
3 \ifx\varyourref\@empty \else \@reftrue \fi
4 \ifx\varyourmail\@empty \else \@reftrue \fi
5 \ifx\varmyref\@empty \else \@reftrue \fi
6 \ifx\varcustomer\@empty \else \@reftrue \fi
7 \ifx\varinvoice\@empty \else \@reftrue \fi
8 \ifx\varrefitemi\@empty \else \@reftrue \fi
9 \ifx\varrefitemii\@empty \else \@reftrue \fi
10 \ifx\varrefitemiii\@empty \else \@reftrue \fi
11 \vskip -\parskip
12 \vskip \refvskip
13 \if@ref
14 \ifx\varyourref\@empty \else
15 \settowidth{\sc@temp}{\varyourref}
16 \setbox0\hbox{\scriptsize \sf \yourrefname}
17 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourref}\hfill
19 \fi
20 \ifx\varyourmail\@empty \else
21 \settowidth{\sc@temp}{\varyourmail}
22 \setbox0\hbox{\scriptsize \sf \yourmailname}
23 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
24 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourmail}\hfill
25 \fi
26 \ifx\varmyref\@empty \else
27 \settowidth{\sc@temp}{\varmyref}
28 \setbox0\hbox{\scriptsize \sf \myrefname}
29 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
30 \parbox[t]{\sc@temp}{\noindent \box0\par \varmyref}\hfill

```

```

31 \fi
32 \ifx\varcustomer\@empty \else
33 \settowidth{\sc@temp}{\varcustomer}
34 \setbox0\hbox{\scriptsize \sf \customername}
35 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
36 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
37 \fi
38 \ifx\varinvoice\@empty \else
39 \settowidth{\sc@temp}{\varinvoice}
40 \setbox0\hbox{\scriptsize \sf \invoicename}
41 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
42 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
43 \fi
44 \ifx\varrefitemi\@empty \else
45 \settowidth{\sc@temp}{\varrefitemi}
46 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
47 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
48 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
49 \fi
50 \ifx\varrefitemii\@empty \else
51 \settowidth{\sc@temp}{\varrefitemii}
52 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
53 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
54 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
55 \fi
56 \ifx\varrefitemiii\@empty \else
57 \settowidth{\sc@temp}{\varrefitemiii}
58 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
59 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
60 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
61 \fi
62 \ifx\@date\@empty \else
63 \settowidth{\sc@temp}{\@date}
64 \setbox0\hbox{\scriptsize \sf \datename}
65 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
66 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
67 \fi
68 \par
69 \vspace{2.5\baselineskip}
70 \else
71 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
72 \vspace{1.5\baselineskip}
73 \fi}
74 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
75 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
76 -\sigindent \hspace{\sigindent}%
77 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@skip]
78 \fromsig\strut}\par
79 \vspace{1.5\baselineskip}}

```

## 7.69 screpr-t-xetex-bidi.def

```
1 \ProvidesFile{screpr-t-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for screpr-t class for XeTeX]
2 \renewcommand*\maketitle[1][1]{%
3   \if@titlepage
4     \begin{titlepage}
5       \setcounter{page}{%
6         #1%
7       }%
8       \let\footnotesize\small
9       \let\right@footnote\relax
10      \let\left@footnote\relax
11      \let\textwidth@footnote\relax
12      \let\footnote\thanks
13      \let\LTRfootnote\LTRthanks
14      \let\RTLfootnote\RTLthanks
15      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16      \let\@oldmakefnmark\makefnmark
17      \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
18      \ifx\@extratitle\@empty \else
19        \noindent\@extratitle\next@tpage\cleardoubleemptypage
20        \thispagestyle{empty}%
21      \fi
22      \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23      \ifx\@titlehead\@empty \else
24        \begin{minipage}[t]{\textwidth}%
25          \@titlehead
26        \end{minipage}\par
27      \fi
28      \null\vfill
29      \begin{center}
30        \ifx\@subject\@empty \else
31          {\subject@font \@subject \par}%
32          \vskip 3em
33        \fi
34        {\titlefont\huge \@title\par}%
35        \vskip 1em
36        {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
37        \vskip 2em
38        {\Large \lineskip 0.75em
39          \begin{tabular}[t]{c}
40            \@author
41          \end{tabular}\par
42        }%
43        \vskip 1.5em
44        {\Large \@date \par}%
45        \vskip \z@ \@plus3fill
46        {\Large \@publishers \par}%
47        \vskip 3em
48      \end{center}\par
```

```

49     \@thanks
50     \vfill\null
51     \if@twoside\next@tpage
52         \begin{minipage}[t]{\textwidth}
53             \@uppertitleback
54         \end{minipage}\par
55         \vfill
56         \begin{minipage}[b]{\textwidth}
57             \@lowertitleback
58         \end{minipage}
59     \fi
60     \ifx\@dedication\@empty \else
61         \next@tpage\null\vfill
62         {\centering \Large \@dedication \par}%
63         \vskip \z@ \@plus3fill
64         \if@twoside \next@tpage\cleardoubleemptypage \fi
65     \fi
66     \end{titlepage}
67 \else
68     \par
69     \@tempcnta=%
70     #1%
71     \relax\ifnum\@tempcnta=1\else
72         \ClassWarning{\KOMAClassName}{%
73             Optional argument of \string\maketitle\space ignored
74             at\MessageBreak
75             notitlepage-mode%
76         }%
77     \fi
78     \begin{group}
79         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
80         \let\@oldmakefnmark\@makefnmark
81         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
82         \if@twocolumn
83             \ifnum \col@number=\@ne
84                 \@maketitle
85             \else
86                 \twocolumn[\@maketitle]%
87             \fi
88         \else
89             \newpage
90             \global\@topnum\z@
91             \@maketitle
92         \fi
93         \thispagestyle{\titlepagestyle}\@thanks
94     \end{group}
95 \fi
96 \setcounter{footnote}{0}%
97 \let\thanks\relax
98 \let\LRthanks\relax

```

```

99 \let\RTLthanks\relax
100 \let\maketitle\relax
101 \let\@maketitle\relax
102 \global\let\@thanks\@empty
103 \global\let\@author\@empty
104 \global\let\@date\@empty
105 \global\let\@title\@empty
106 \global\let\@subtitle\@empty
107 \global\let\@extratitle\@empty
108 \global\let\@titlehead\@empty
109 \global\let\@subject\@empty
110 \global\let\@publishers\@empty
111 \global\let\@uppertitleback\@empty
112 \global\let\@lowertitleback\@empty
113 \global\let\@dedication\@empty
114 \global\let\author\relax
115 \global\let\title\relax
116 \global\let\extratitle\relax
117 \global\let\titlehead\relax
118 \global\let\subject\relax
119 \global\let\publishers\relax
120 \global\let\uppertitleback\relax
121 \global\let\lowertitleback\relax
122 \global\let\dedication\relax
123 \global\let\date\relax
124 \global\let\and\relax
125 }%
126 \renewcommand*{\@maketitle}{%
127 \clearpage
128 \let\footnote\thanks
129 \let\LTRfootnote\LTRthanks
130 \let\RTLfootnote\RTLthanks
131 \ifx\@extratitle\@empty \else
132 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
133 \fi
134 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
135 \ifx\@titlehead\@empty \else
136 \begin{minipage}[t]{\textwidth}
137 \@titlehead
138 \end{minipage}\par
139 \fi
140 \null
141 \vskip 2em%
142 \begin{center}%
143 \ifx\@subject\@empty \else
144 {\subject@font \@subject \par}
145 \vskip 1.5em
146 \fi
147 {\titlefont\huge \@title \par}%
148 \vskip .5em

```

```

149 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
150 \vskip 1em
151 {\Large
152   \lineskip .5em%
153   \begin{tabular}[t]{c}
154     \@author
155   \end{tabular}\par
156 }%
157 \vskip 1em%
158 {\Large \@date \par}%
159 \vskip \z@ \@plus 1em
160 {\Large \@publishers \par}
161 \ifx\@dedication\@empty \else
162   \vskip 2em
163   {\Large \@dedication \par}
164 \fi
165 \end{center}%
166 \par
167 \vskip 2em
168 }%
169 \renewcommand*\l@part[2]{%
170   \ifnum \c@tocdepth >-2\relax
171     \addpenalty{-\@highpenalty}%
172     \addvspace{2.25em \@plus\p@}%
173     \setlength{\@tempdima}{2em}%
174     \if@tocleft
175       \ifx\toc@l@number\@empty\else
176         \setlength\@tempdima{0\toc@l@number}%
177       \fi
178     \fi
179     \begingroup
180       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
181       \parfillskip -\@pnumwidth
182       \leavevmode
183       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
184       \hskip -\if@RTL\rightskip\else\leftskip\fi
185       \usekomafont{partentry}{#1\nobreak
186         \usekomafont{partentrypagenumber}{\hfil\nobreak
187           \hb@xt@\@pnumwidth{\hss#2}}}\par
188       \ifnum \scr@compatibility>\@nameuse{scr@v2.96}\relax
189       \endgroup
190       \penalty20010
191     \else
192       \penalty\@highpenalty
193     \endgroup
194   \fi
195 \fi
196 }
197 \renewcommand*\l@chapter[2]{%
198   \ifnum \c@tocdepth >\m@ne

```

```

199 \ifnum \lastpenalty<20010
200 \addpenalty{-\@highpenalty}%
201 \fi
202 \vskip 1.0em \@plus\p@
203 \setlength\@tempdima{1.5em}%
204 \if@tocleft
205 \ifx\toc@l@number\@empty\else
206 \setlength\@tempdima{0\toc@l@number}%
207 \fi
208 \fi
209 \begingroup
210 \raggedchapterentry
211 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
212 \parfillskip -\@pnumwidth
213 \interlinepenalty\@M
214 \leavevmode
215 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
216 \usekomafont{chapterentry}{#1\nobreak
217 \usekomafont{chapterentrypagenumber}{%
218 \hfill\nobreak
219 \hb@xt@\@pnumwidth{\hss#2}}}\par
220 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
221 \endgroup
222 \penalty20009
223 \else
224 \penalty\@highpenalty
225 \endgroup
226 \fi
227 \fi
228 }
229 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
230 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
231 \renewcommand*\thesection{%
232 \thechapter\@SepMark%
233 \@arabic\c@section
234 }
235 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
236 \renewcommand*\thesubsubsection{%
237 \thesubsection\@SepMark\@arabic\c@subsubsection
238 }
239 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
240 \renewcommand*\thesubparagraph{%
241 \theparagraph\@SepMark\@arabic\c@subparagraph
242 }
243 \renewcommand*\thefigure{%
244 \thechapter\@SepMark%
245 \@arabic\c@figure
246 }
247 \renewcommand*\thetable{%
248 \thechapter\@SepMark%

```

```

249 \@arabic\c@table
250 }
251 \renewcommand*\theequation{%
252 \thechapter\@SepMark%
253 \@arabic\c@equation
254 }
255 \renewenvironment{thebibliography}[1]{%
256 \if@bib@break@
257 \bib@beginhook
258 \else
259 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
260 \setchapterpreamble{\bibpreamble}%
261 \fi\fi
262 \bib@heading
263 \bib@beginhook
264 \bib@before@hook
265 \fi
266 \renewcommand{\BreakBibliography}[1]{%
267 \@bib@break
268 \end{thebibliography}%
269 \begingroup ##1\endgroup
270 \begin{thebibliography}{#1}
271 }%
272 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
273 \list{%
274 \@biblabel{\@arabic\c@enumiv}%
275 }{%
276 \settowidth\labelwidth{\@biblabel{#1}}%
277 \leftmargin\labelwidth
278 \advance\leftmargin\labelsep
279 \@openbib@code
280 \if@bib@break@
281 \edef\@tempa{%
282 \noexpand\usecounter{enumiv}%
283 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
284 }\@tempa
285 \no@bib@break
286 \else
287 \usecounter{enumiv}%
288 \fi
289 \let\p@enumiv\@empty
290 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
291 }%
292 \sloppy\clubpenalty4000 \widowpenalty4000
293 \sfcode`\.=\@m
294 }{%
295 \if@bib@break@
296 \def\@noitemerr{%
297 \@latex@warning{%
298 \string\BreakBibliography\space at begin of `thebibliography'

```



```

299     environment\MessageBreak
300     or following \string\BreakBibliography}%
301   }%
302 \else
303   \def\@noitemerr{%
304     \@latex@warning{%
305       Empty `thebibliography' environment or
306       \string\BreakBibliography\MessageBreak
307       before end of `thebibliography' environment}%
308   }%
309 \fi
310 \endlist
311 \if@bib@break@
312 \else
313   \bib@after@hook
314   \let\bib@before@hook\@empty
315   \let\bib@after@hook\@empty
316 \fi
317 \bib@endhook
318 }
319 \renewcommand*\left@footnote{%
320   \kern-3\p@
321   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
322   \hrule\@width.4\columnwidth
323   \kern 2.6\p@}
324 \renewcommand*\right@footnote{%
325   \hbox to \columnwidth
326   {\beginR \vbox{%
327     \kern-3\p@
328     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
329     \hrule\@width.4\columnwidth
330     \kern 2.6\p@}\hfil\endR}}
331 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
332 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
333 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
334 \renewcommand\marginline[1]{%
335   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi #
336 }

```

## 7.7o stabular-xetex-bidi.def

```

1 \ProvidesFile{stabular-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for stabular package for Xe
2 \def\@stabular{\if@RTL\@RTLtabtrue\fi
3   \leavevmode \bgroup \if@RTLtab\beginR \fi
4   \let\@acol\@tabacol
5   \let\@classz\@tabclassz
6   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
7 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
8   \egroup \if@RTLtab\endR\fi\egroup
9   \@RTLtabfalse}

```

```

10 \expandafter \let \csname endstabular*\endcsname = \endstabular
11 \def\sarray[#1]#2{%
12   \bgroup
13   \setbox\@arstrutbox\hbox{%
14     \vrule \@height\arraystretch\ht\strutbox
15           \@depth\arraystretch \dp\strutbox
16           \@width\z@}%
17   \mkpream{#2}%
18   \edef\@preamble{%
19     \ialign \noexpand\@halignto
20       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
21   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
22   \let\tabularnewline\%
23   \let\@sharp##%
24   \set@typeset@protect
25   \lineskip\z@skip\baselineskip\z@skip
26   \ifRTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
27   \@preamble}

```

### 7.71 subfigure-xetex-bidi.def

```

1 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package for
2 \AtBeginDocument{%
3 \let\p@subfigure=\thefigure
4 \let\p@subtable=\thetable%
5 }

```

### 7.72 tabs-xetex-bidi.def

```

1 \ProvidesFile{tabs-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for tabs package for XeTeX eng
2 \def\endtabular{\endarray $\ifRTLtab\endR\fi\egroup
3   \@RTLtabfalse}
4
5 \expandafter\let\csname endtabular*\endcsname=\endtabular
6
7 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crrc if \ given
8   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
9   \fi\egroup\ifRTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
10
11 \def\@array[#1]#2{% remember global variables to allow recursion:
12 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
13   \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
14 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
15 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
16 \else \let\@tarlinesep\tablinesep \fi
17 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
19 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
20 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
21   \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
22   \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep

```

```

23 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
24     \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
25 \let\protect\noexpand
26 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
27 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
28 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
29 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
30 \bgroup \let\par\@empty
31 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
32 \advance\extrarulesep.5\arrayrulewidth
33 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
34 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
35 \@preamble}

```

### 7.73 tabulary-xetex-bidi.def

```

1 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for Xe
2 \def\@testpach{\@chclass
3 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
4 \ifnum \@lastchclass=7 5 \else
5 \ifnum \@lastchclass=8 \tw@ \else
6 \ifnum \@lastchclass=9 \thr@@
7 \else \z@
8 \ifnum \@lastchclass = 10 \else
9 \edef\@nextchar{\expandafter\string\@nextchar}%
10 \@chnum
11 \if \@nextchar c\z@ \else
12 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
13 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
14 \if \@nextchar C7 \else
15 \if \@nextchar L8 \else
16 \if \@nextchar R9 \else
17 \if \@nextchar J10 \else
18 \z@ \@chclass
19 \if\@nextchar |\@ne \else
20 \if \@nextchar !6 \else
21 \if \@nextchar @7 \else
22 \if \@nextchar <8 \else
23 \if \@nextchar >9 \else
24 10
25 \@chnum
26 \if \@nextchar m\thr@@\else
27 \if \@nextchar p4 \else
28 \if \@nextchar b5 \else
29 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi\fi \fi \fi\fi \fi
30 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

### 7.74 tikz-xetex-bidi.def

```

1 \ProvidesFile{tikz-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for tikz package for XeTeX engine
2 \let\origin@tikzpicture=\tikzpicture

```

```

3 \let\origin@endtikzpicture=\endtikzpicture
4 \let\pgfutil@minipage=\minipage
5 \let\pgfutil@endminipage=\endminipage
6 \def\tikzpicture{\ifmmode\else\LTR\beginL\fi\origin@tikzpicture}
7 \def\endtikzpicture{\origin@endtikzpicture\ifmmode\else\endL\endLTR\fi}

```

### 7.75 titlesec-xetex-bidi.def

```

1 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for Xe
2 \renewcommand\filright{%
3   \gdef\ttl@filleft##1{\hskip##1}%
4   \gdef\ttl@filright##1{\hfill}%
5   \let\\\@centercr
6   \advance\rightskip\z@ \@plus 1fil
7 \parfillskip\z@}

```

### 7.76 titletoc-xetex-bidi.def

```

1 \ProvidesFile{titletoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titletoc package for Xe
2 \renewcommand\filright{%
3   \gdef\ttl@filleft##1{\hskip##1}%
4   \gdef\ttl@filright##1{\hfill}%
5   \let\\\@centercr
6   \advance\rightskip\z@ \@plus 1fil
7 \parfillskip\z@}
8 \renewcommand\contentspush[1]{%
9   \sbox\z@{#1}%
10  \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
11  \aftergroup\ttl@b
12  \leavevmode\llap{\box\z@}}
13 \def\ttl@outnoblock#1#2#3{%
14  \begingroup
15  \ifnum\ttl@b>\ttl@a
16    \nobreak
17  \else\ifnum\ttl@b<\ttl@a
18    \addpenalty{\@secpenalty}%
19  \else
20    \addpenalty{\z@}%
21  \fi\fi
22  \ttl@contentsstretch
23  \nobreak
24  \ifcase#1\relax\else\interlinepenalty\@M\fi
25  \parindent\z@
26  \ifx\@nil#2%
27    \PackageError{titletoc}{Unimplemented}%
28    {The optional argument is currently mandatory}%
29  \else
30    \if@RTL\setlength\rightskip{#2}\else
31    \setlength\leftskip{#2}\fi%
32  \fi
33  \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%

```

```

34 \let\contentsmargin\ttl@margin
35 \def\ttl@makeline##1{##1}%
36 #3%
37 \addtolength{\parfillskip}{-\ttl@corr}%
38 \ifRTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
39 \let\ttl@leaders\leaders}
40 \renewcommand\ttl@margin[2][\z@]{%
41 \def\ttl@corr{#1}%
42 \advance\ifRTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
43 \advance\ifRTL\leftskip\else\rightskip\fi#2\relax
44 \def\@pnumwidth{#2}}

```

### 7.77 tocibind-xetex-bidi.def

```

1 \ProvidesFile{tocibind-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocibind package for
2 \if@dotocbib
3 \ifpackageloaded{natbib}{\% natbib not loaded
4 \renewcommand{\bibsection}{\tcb@bchapsec}
5 \renewenvironment{thebibliography}[1]{%
6 \bibsection
7 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
8 \renewenvironment{thebibitemlist}[1]{
9 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
10 \list{\@biblabel{\@arabic\c@enumiv}}%
11 {\settowidth\labelwidth{\@biblabel{#1}}%
12 \leftmargin\labelwidth
13 \advance\leftmargin\labelsep
14 \@openbib@code
15 \usecounter{enumiv}%
16 \let\p@enumiv\@empty
17 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18 \sloppy
19 \clubpenalty4000
20 \@clubpenalty \clubpenalty
21 \widowpenalty4000%
22 \sfcode`.\@m}
23 {\def\@noitemerr
24 {\@latex@warning{Empty `thebibliography' environment}}}%
25 \endlist}
26
27 \ifpackagewith{chapterbib}{sectionbib}%
28 {\renewcommand{\sectionbib}[2]{}}%
29 {}
30
31 \fi

```

### 7.78 tocloft-xetex-bidi.def

```

1 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for XeTe
2 \let\cftdot\@SepMark
3 \if@cfthaspart

```

```

4 \renewcommand*{\l@part}[2]{
5   \cftdopartfalse
6   \ifnum \c@tocdepth >-2\relax
7     \ifcfthaschapter
8       \cftdoparttrue
9     \fi
10    \ifnum \c@tocdepth >\m@ne
11      \ifcfthaschapter\else
12        \cftdoparttrue
13      \fi
14    \fi
15  \fi
16  \ifcftdopart
17    \ifcfthaschapter
18      \addpenalty{-\@highpenalty}
19    \else
20      \addpenalty\@secpenalty
21    \fi
22    \addvspace{\cftbeforepartskip}
23    \begingroup
24      {\ifRTL\rightskip\else\leftskip\fi \cftpartindent\relax
25       \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
26       \parfillskip -\ifRTL\leftskip\else\rightskip\fi
27       \parindent \cftpartindent\relax\@afterindenttrue
28       \interlinepenalty\@M
29       \leavevmode
30       \@tempdima \cftpartnumwidth\relax
31       \let\@cftbsnum \cftpartpresnum
32       \let\@cftasnum \cftpartaftersnum
33       \let\@cftasnumb \cftpartaftersnumb
34       \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightskip\fi
35       {\cftpartfont \cftpartpresnum #1}
36       \cftpartfillnum{#2}}
37    \nobreak
38    \ifcfthaschapter
39      \global\@nobreaktrue
40      \everypar{\global\@nobreakfalse\everypar{}}
41    \else
42      \ifcompatibility
43        \global\@nobreaktrue
44        \everypar{\global\@nobreakfalse\everypar{}}
45      \fi
46    \fi
47  \endgroup
48  \fi}
49 \fi
50 \ifcfthaschapter
51 \renewcommand*{\l@chapter}[2]{
52   \ifnum \c@tocdepth >\m@ne
53     \addpenalty{-\@highpenalty}

```

```

54 \vskip \cftbeforechapskip
55 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
56 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
57 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
58 \parindent \cftchapindent\relax\@afterindenttrue
59 \interlinepenalty\@M
60 \leavevmode
61 \@tempdima \cftchapnumwidth\relax
62 \let\@cftbsnum \cftchappresnum
63 \let\@cftasnum \cftchapaftersnum
64 \let\@cftasnumb \cftchapaftersnumb
65 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
66 {\cftchapfont #1}\nobreak
67 \cftchapfillnum{#2}}
68 \fi}
69 \fi
70 \renewcommand*\l@section}[2]{%
71 \ifnum \c@tocdepth >\z@
72 \if@cfthaschapter
73 \vskip \cftbeforesecskip
74 \else
75 \addpenalty\@secpenalty
76 \addvspace{\cftbeforesecskip}
77 \fi
78 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
79 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
80 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
81 \parindent \cftsecindent\relax\@afterindenttrue
82 \interlinepenalty\@M
83 \leavevmode
84 \@tempdima \cftsecnumwidth\relax
85 \let\@cftbsnum \cftsecpresnum
86 \let\@cftasnum \cftsecaftersnum
87 \let\@cftasnumb \cftsecaftersnumb
88 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
89 {\cftsecfont #1}\nobreak
90 \cftsecfillnum{#2}}
91 \fi}
92 \renewcommand*\l@subsection}[2]{%
93 \ifnum \c@tocdepth >\@ne
94 \vskip \cftbeforesubsecskip
95 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
96 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
97 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
98 \parindent \cftsubsecindent\relax\@afterindenttrue
99 \interlinepenalty\@M
100 \leavevmode
101 \@tempdima \cftsubsecnumwidth\relax
102 \let\@cftbsnum \cftsubsecpresnum
103 \let\@cftasnum \cftsubsecaftersnum

```

```

104     \let\@cftasnumb \cftsubsecaftersnumb
105     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else
106         {\cftsubsecfont #1}\nobreak
107         \cftsubsecfillnum{#2}}
108     \fi}
109 \renewcommand*\l@subsubsection}[2]{%
110     \ifnum \c@tocdepth >\tw@
111         \vskip \cftbeforesubsubsecskip
112         {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
113         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
114         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
115         \parindent \cftsubsubsecindent\relax\@afterindenttrue
116         \interlinepenalty\@M
117         \leavevmode
118         \@tempdima \cftsubsubsecnumwidth\relax
119         \let\@cftbsnum \cftsubsubsecpresnum
120         \let\@cftasnum \cftsubsubsecaftersnum
121         \let\@cftasnumb \cftsubsubsecaftersnumb
122         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else
123             {\cftsubsubsecfont #1}\nobreak
124             \cftsubsubsecfillnum{#2}}
125     \fi}
126 \renewcommand*\l@paragraph}[2]{%
127     \ifnum \c@tocdepth >3\relax
128         \vskip \cftbeforeparaskip
129         {\if@RTL\rightskip\else\leftskip\fi \cftparindent\relax
130         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
131         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
132         \parindent \cftparindent\relax\@afterindenttrue
133         \interlinepenalty\@M
134         \leavevmode
135         \@tempdima \cftparanumwidth\relax
136         \let\@cftbsnum \cftparapresnum
137         \let\@cftasnum \cftparaaftersnum
138         \let\@cftasnumb \cftparaaftersnumb
139         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else
140             {\cftparafont #1}\nobreak
141             \cftparafillnum{#2}}
142     \fi}
143 \renewcommand*\l@subparagraph}[2]{%
144     \ifnum \c@tocdepth >4\relax
145         \vskip \cftbeforesubparaskip
146         {\if@RTL\rightskip\else\leftskip\fi \cftsubparindent\relax
147         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
148         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
149         \parindent \cftsubparindent\relax\@afterindenttrue
150         \interlinepenalty\@M
151         \leavevmode
152         \@tempdima \cftsubparanumwidth\relax
153         \let\@cftbsnum \cftsubparapresnum

```



```

154     \let\@cftasnum \cftsubparaaftersnum
155     \let\@cftasnumb \cftsubparaaftersnumb
156     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
157     {\cftsubparafont #1}\nobreak
158     \cftsubparafillnum{#2}}
159   \fi}
160 \renewcommand*\l@figure}[2]{%
161   \ifnum \c@lofdepth >\z@
162     \vskip \cftbeforefigskip
163     {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
164     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
165     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
166     \parindent \cftfigindent\relax\@afterindenttrue
167     \interlinepenalty\@M
168     \leavevmode
169     \@tempdima \cftfignumwidth\relax
170     \let\@cftbsnum \cftfigpresnum
171     \let\@cftasnum \cftfigaftersnum
172     \let\@cftasnumb \cftfigaftersnumb
173     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
174     {\cftfigfont #1}\nobreak
175     \cftfigfillnum{#2}}
176   \fi
177 }
178 \renewcommand*\l@table}[2]{%
179   \ifnum\c@lotdepth >\z@
180     \vskip \cftbeforetabskip
181     {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
182     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
183     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
184     \parindent \cfttabindent\relax\@afterindenttrue
185     \interlinepenalty\@M
186     \leavevmode
187     \@tempdima \cfttabnumwidth\relax
188     \let\@cftbsnum \cfttabpresnum
189     \let\@cftasnum \cfttabaftersnum
190     \let\@cftasnumb \cfttabaftersnumb
191     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
192     {\cfttabfont #1}\nobreak
193     \cfttabfillnum{#2}}
194   \fi
195 }
196 \renewcommand*\@cftl@subfig}{
197 \renewcommand*\l@subfigure}[2]{%
198   \ifnum \c@lofdepth > \toclevel@subfigure
199     \vskip \cftbeforesubfigskip
200     {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
201     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
202     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
203     \parindent \cftsubfigindent\relax\@afterindenttrue

```

```

204 \interlinepenalty\@M
205 \leavevmode
206 \@tempdima \cftsubfignumwidth\relax
207 \let\@cftbsnum \cftsubfigpresnum
208 \let\@cftasnum \cftsubfigaftersnum
209 \let\@cftasnumb \cftsubfigaftersnumb
210 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
211 {\cftsubfigfont ##1}\nobreak
212 \cftsubfigfillnum{##2}}
213 \fi
214 }
215 }
216 \renewcommand{\@cftl@subtab}{
217 \renewcommand*{\l@subtable}[2]{%
218 \ifnum \c@lotdepth > \toclevel@subtable
219 \vskip \cftbeforesubtabskip
220 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
221 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
222 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
223 \parindent \cftsubtabindent\relax\@afterindenttrue
224 \interlinepenalty\@M
225 \leavevmode
226 \@tempdima \cftsubtabnumwidth\relax
227 \let\@cftbsnum \cftsubtabpresnum
228 \let\@cftasnum \cftsubtabaftersnum
229 \let\@cftasnumb \cftsubtabaftersnumb
230 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
231 {\cftsubtabfont ##1}\nobreak
232 \cftsubtabfillnum{##2}}
233 \fi
234 }
235 }
236 \renewcommand{\newlistentry}[4][\@empty]{%
237 \@ifundefined{c@#2}{% check & set the counter
238 \ifx \@empty#1\relax
239 \newcounter{#2}
240 \else
241 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
242 {#1 has no counter for use as a `within'}}
243 \newcounter{#2}}%
244 {\newcounter{#2}[#1]}%
245 \expandafter\edef\csname the#2\endcsname{%
246 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
247 \fi
248 \setcounter{#2}{0}
249 }
250 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
251
252 \@namedef{l@#2}##1##2{%
253 \ifnum \@nameuse{c@#3depth} > #4\relax

```

```

254     \vskip \@nameuse{cftbefore#2skip}
255     {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
256     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
257     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
258     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
259     \interlinepenalty\@M
260     \leavevmode
261     \@tempdima \@nameuse{cft#2numwidth}\relax
262     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
263     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
264     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
265     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightskip\
266     {\@nameuse{cft#2font}##1}\nobreak
267     \@nameuse{cft#2fillnum}{##2}}
268   \fi
269 } % end of \l@#2
270
271 \expandafter\newlength\csname cftbefore#2skip\endcsname
272 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
273 \expandafter\newlength\csname cft#2indent\endcsname
274 \expandafter\newlength\csname cft#2numwidth\endcsname
275 \ifcase #4\relax % 0
276   \setlength{\@nameuse{cft#2indent}}{0em}
277   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
278 \or % 1
279   \setlength{\@nameuse{cft#2indent}}{1.5em}
280   \setlength{\@nameuse{cft#2numwidth}}{2.3em}
281 \or % 2
282   \setlength{\@nameuse{cft#2indent}}{3.8em}
283   \setlength{\@nameuse{cft#2numwidth}}{3.2em}
284 \or % 3
285   \setlength{\@nameuse{cft#2indent}}{7.0em}
286   \setlength{\@nameuse{cft#2numwidth}}{4.1em}
287 \else % anything else
288   \setlength{\@nameuse{cft#2indent}}{10.0em}
289   \setlength{\@nameuse{cft#2numwidth}}{5.0em}
290 \fi
291 \@namedef{cft#2font}{\normalfont}
292 \@namedef{cft#2presnum}{=}
293 \@namedef{cft#2aftersnum}{=}
294 \@namedef{cft#2aftersnumb}{=}
295 \@namedef{cft#2dotsep}{\cftdotsep}
296 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
297 \@namedef{cft#2pagefont}{\normalfont}
298 \@namedef{cft#2afterpnum}{=}
299 \@namedef{toclevel@#2}{#4}
300 \@namedef{cft#2fillnum}##1{%
301   {\@nameuse{cft#2leader}}\nobreak
302   \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
303 } % end \newlistentry

```

```

304 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
305   {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
306   \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
307   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
308   \textit{#1}\protect\par}}}

```

## 7.79 tocstyle-xetex-bidi.def

```

1 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for Xe
2 \renewcommand*{\tocstyle@dottedtocline}[5]{%
3   \let\numberline\tocstyle@numberline
4   \ifnum #1>\c@tocdepth \else
5     \if@tocstyle@penalties
6       \begingroup
7         \@tempcnta 20010
8         \advance \@tempcnta by -#1
9         \ifnum \@tempcnta>\lastpenalty
10          \aftergroup\penalty\aftergroup\@lowpenalty
11        \fi
12      \endgroup
13    \fi
14    \edef\tocstyledepth{#1}%
15    \tocstyle@activate@features
16    \ifx\tocstyle@feature@entryvskip\relax
17      \vskip \z@ \@plus.2\p@
18    \else
19      \addvspace{\tocstyle@feature@entryvskip}%
20    \fi
21    {%
22    \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
23      \tocstyle@feature@raggedhook
24      \@tempdima #3\relax
25      \@tempdimb #2\relax
26      \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
27      \ifnum #1>\z@\relax
28        \@tempcnta #1\relax \advance\@tempcnta \m@ne
29        \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
30          \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
31            \@tempdimb
32          \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
33            \advance\@tempdimb
34          \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
35        \fi
36      \fi
37      \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
38      \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
39        \ifdim \@tempdimb>
40          \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
41        \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC

```

```

43     @#1\endcsname{\the\@tempdimb}%
44     \fi
45 \else
46   \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
47     @#1\endcsname{\the\@tempdimb}%
48   \fi
49 \iftocstyle@autolength
50   \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
51     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
52     \relax
53   \fi
54   \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
55     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
56     \relax
57   \fi
58   \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
59   \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
60 \else
61   \@tempdimb #2\relax
62   \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
63 \fi
64 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
65   \ifdim \@tempdima>
66     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
67     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
68       @\endcsname{\the\@tempdima}%
69   \fi
70 \else
71   \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
72     @\endcsname{\the\@tempdima}%
73 \fi
74 \ifcase\tocstyle@indentstyle\relax\else
75   \@tempdimb \z@
76   \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
77     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
78     \relax
79   \fi
80   \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
81   \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
82 \fi
83 \advance\parindent \@tempdimb\@afterindenttrue
84 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
85 \advance\if@RTL\leftskip\else\rightskip\fi \@tocmarg
86 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
87 \ifx\tocstyle@feature@parfillskip\relax\else
88   \advance\parfillskip \tocstyle@feature@parfillskip\relax
89 \fi
90 \interlinepenalty\M
91 \leavevmode
92 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima

```

```

93     \null\nobreak
94     \iftocstyle@indentnotnumbered\else
95         \hskip -\if@RTL\rightskip\else\leftskip\fi
96     \fi
97     \tocstyle@feature@entryhook
98     {#4}\nobreak
99     \ifx\tocstyle@feature@leaders\relax
100         \leaders\hbox{$\m@th
101             \mkern \dotsep mu\hbox{\tocstyle@feature@dothook .}%
102             \mkern \dotsep mu$}\hfill
103     \else
104         \tocstyle@feature@leaders
105     \fi
106     \nobreak
107     \ifx\tocstyle@feature@pagenumberbox\relax
108         \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
109     \else
110     \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
111     \fi
112     \par
113 }%
114 \if@tocstyle@penalties
115     \bgroup
116     \@tempcnta 20009
117     \advance\@tempcnta by -#1
118     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
119     \reserved@a
120 \fi
121 \fi}
122 \renewcommand*{\tocstyle@numberline}[1]{%
123 \begingroup
124     \ifx\tocstyle@feature@spaceafternumber\relax
125         \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
126     \else
127         \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
128         \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
129     \fi
130     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
131         \ifdim \@tempdima >
132             \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
133             \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
134                 @\tocstyledepth\endcsname{\the\@tempdima}%
135         \fi
136     \else
137         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
138             @\tocstyledepth\endcsname{\the\@tempdima}%
139     \fi
140 \endgroup
141 \iftocstyle@indentnotnumbered
142     \hskip -\if@RTL\rightskip\else\leftskip\fi

```

```

143 \fi
144 \ifcase \tocstyle@indentstyle
145   \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
146 \or
147   \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
148 \else
149   \ifx\tocstyle@feature@spaceafternumber\relax
150     \hbox{\tocstyle@numberline{#1}\enskip}%
151   \else
152     \hbox{\tocstyle@numberline{#1}\hskip
153       \tocstyle@feature@spaceafternumber\relax}%
154   \fi
155 \fi
156 }
157 \AtBeginDocument{%
158   \ifcsname l@part\endcsname
159     \ifcsname l@chapter\endcsname
160       \setbox\@tempboxa\vbox{\hsize\maxdimen
161         \l@part{\tocstyle@l@define{part}{-1}}{}}%
162     \else
163       \setbox\@tempboxa\vbox{\hsize\maxdimen
164         \l@part{\tocstyle@l@define{part}{0}}{}}%
165     \fi
166 \fi
167 \ifcsname l@chapter\endcsname
168   \setbox\@tempboxa\vbox{\hsize\maxdimen
169     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
170 \fi
171 \ifcsname l@section\endcsname
172   \setbox\@tempboxa\vbox{\hsize\maxdimen
173     \l@section{\tocstyle@l@define{section}{1}}{}}%
174 \fi
175 \ifcsname l@subsection\endcsname
176   \setbox\@tempboxa\vbox{\hsize\maxdimen
177     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
178 \fi
179 \ifcsname l@subsubsection\endcsname
180   \setbox\@tempboxa\vbox{\hsize\maxdimen
181     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
182 \fi
183 \ifcsname l@paragraph\endcsname
184   \setbox\@tempboxa\vbox{\hsize\maxdimen
185     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
186 \fi
187 \ifcsname l@subparagraph\endcsname
188   \setbox\@tempboxa\vbox{\hsize\maxdimen
189     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
190 \fi
191 \ifcsname l@table\endcsname
192   \setbox\@tempboxa\vbox{\hsize\maxdimen

```

```

193     \l@table{\tocstyle@l@define{table}{1}}{}}%
194 \fi
195 \ifcsname l@figure\endcsname
196   \setbox\@tempboxa\vbox{\hsize\maxdimen
197     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
198 \fi
199 \def\@tempa#1#2#3#4#5{%
200   \ifnum #1>\c@tocdepth \else
201     \vskip \z@ \@plus.2\p@
202     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg \pa
203       \parindent #2\relax\@afterindenttrue
204       \interlinepenalty\@M
205       \leavevmode
206       \@tempdima #3\relax
207       \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\
208         {#4}\nobreak
209         \leaders\hbox{$\m@th
210           \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
211           mu$}\hfill
212         \nobreak
213         \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
214         \par}%
215   \fi}%
216 \ifx\@dottedtocline\@tempa\else
217   \tocstyle@macrochangewarning\@dottedtocline
218 \fi
219 \let\tocstyle@saved@dottedtocline\@dottedtocline
220 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
221 \ifx\numberline\@tempa\else
222   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
223 \fi
224 \ifx\numberline\@tempa\else
225   \tocstyle@macrochangewarning\numberline
226 \fi
227 \let\tocstyle@saved@numberline\numberline
228 }
229 \renewcommand*{\tocstyle@l@define}[2]{%
230   \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
231   \edef\@tempa{%
232     \noexpand\global\noexpand\let
233     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
234     \expandafter\noexpand\csname l@#1\endcsname
235     \noexpand\gdef
236     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
237       \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}%
238       \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@{
239         \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
240         \expandafter\noexpand\csname tocstyle@l@#1\endcsname
241       }%
242     }%

```



```

243 \PackageInfo{tocstyle}{prepare \expandafter\string
244 \csname l@#1\endcsname\space for redefinition}%
245 \@tempa
246 }

```

## 7.8o wrapfig-xetex-bidi.def

```

1 \ProvidesFile{wrapfig-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for wrapfig package for XeTeX
2 \let\WF@@everypar\n@everypar
3 \def\WF@putfigmaybe{%
4 \ifinner
5 \vskip-\parskip \global\WF@floatfalse
6 \let\pagetotal\maxdimen % kludge flag for "not top of page"
7 \else % outer page
8 \@tempdima\pagedepth % save page depth
9 {\advance\parskip\if@RTL\baselineskip\else\@tempdima\fi\vskip-\parskip}% back up to baseline
10 \penalty\interlinepenalty % update pg. parameters
11 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
12 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
13 \global\WF@floatfalse
14 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
15 \else
16 \ifdim\WF@size>\@tempdimb
17 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
18 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
19 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
21 \advance\dimen@.5\baselineskip
22 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
23 \global\WF@floatfalse \pagebreak
24 \fi
25 \else % \WF@info{Fits in \the\@tempdimb;}%
26 \global\WF@floatfalse
27 \fi\fi
28 \vskip\@tempdima\relax % (return erased page depth)
29 \fi
30 \noindent
31 \ifWF@float
32 \WF@fltmes
33 \else % putting here;
34 \WF@info{Put \WF@wfname here;}%
35 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
36 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
37 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
38 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
39 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
40 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
41 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
42 \xdef\WF@adjlw{\the\@tempdima}%
43 \ifnum `l=\WF@place % fig on left

```

```

44 \if@RTL%
45 \kern\@tempdimb \kern\columnsep
46 \def\@tempa{\hss}% position to left of the gap
47 \else%
48 \hss % figure overlaps space to the left
49 \def\@tempa{\kern\columnsep}% position to left of the gap
50 \fi%
51 \else % fig on right
52 \if@RTL%
53 \hss
54 \@tempdima\z@
55 \def\@tempa{\kern\columnsep}
56 \else%
57 \@tempdima\z@ % no left indentation
58 \kern\@tempdimb \kern\columnsep
59 \def\@tempa{\hss}% figure overlaps space to the right
60 \fi%
61 \fi
62 \ifdim\@tempdimb<\hsize
63 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
64 \xdef\WF@adjtlm{\the\@tempdima}%
65 \else
66 \xdef\WF@wrapil{\z@ \the\hsize}%
67 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
68 \fi
69 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
70 \global\advance\WF@size-\intextsep
71 \else % \WF@info{Putting \WF@wfname in middle of page}%
72 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
73 \fi \dp\WF@box\z@ \box\WF@box \@tempa
74 }% end \hbox to Opt
75 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
76 \fi}

```

## 7.81 xcolor-xetex-bidi.def

```

1 \ProvidesFile{xcolor-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xcolor package for XeTeX]
2 \long\def\color@b@x#1#2#3%
3 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
4 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
5 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
7 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
8 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set
9 \DeclareRobustCommand\color
10 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
11 \def\@undeclaredcolor[#1]#2%
12 {\begingroup
13 \let\@cls\@empty
14 \XC@getmodclr12{#1}{#2}{}}%

```

```

15  {\ifblendcolors
16    \ifx\colorblend\@empty\else
17      \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
18      \XC@coremodel\@mod\@clr\@xcolor@{}{\}\@mod\@clr
19    \fi
20  \fi
21  \ifconvertcolorsU
22    \edef\@tmp{\XC@tgt@mod{\@mod}}%
23    \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
24  \fi
25  \ifmaskcolors
26    \convertcolorspec\@mod\@clr\XC@mmod\@clr
27    \let\@mod\XC@mmod
28    \XC@inflate\@mod\XC@mclr\@clr\@tmp
29    \expandafter\XC@mul\@tmp,\@clr
30  \fi
31  \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
32  \expandafter\endgroup\@tmp}}
33 \def\@declaredcolor#1%
34  {\XC@edef\XC@tmp{#1}\XC@tstfalse
35   \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
36     \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
37     \ifconvertcolorsU\XC@tsttrue\fi
38   \fi
39   \ifXC@tst
40     \expandafter\XC@declaredcolor\else
41     \expandafter\XC@declaredcolor\fi}
42 \def\XC@undeclaredcolor#1#2%
43  {\@ifundefinedmodel{#1}%
44   {\color@error{model `#1'}}%
45   {\@nameuse{color@#1}\current@color{#2}}%
46   \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
47   \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi}
48 \def\XC@declaredcolor
49  {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
50   \edef\current@color{\XC@current@color}%
51   \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi}
52 \DeclareRobustCommand\bidicolor
53  {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
54 \def\@bidiundeclaredcolor[#1]#2%
55  {\begingroup
56   \let\@cls\@empty
57   \XC@getmodclr12{#1}{#2}{}%
58   {\ifblendcolors
59     \ifx\colorblend\@empty\else
60       \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
61       \XC@coremodel\@mod\@clr\@xcolor@{}{\}\@mod\@clr
62     \fi
63   \fi
64   \ifconvertcolorsU

```

```

65     \edef\@tmp{\XC@tgt@mod{\@mod}}%
66     \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
67     \fi
68     \ifmaskcolors
69     \convertcolorspec\@mod\@clr\XC@mmod\@clr
70     \let\@mod\XC@mmod
71     \XC@inflate\@mod\XC@mclr\@clr\@tmp
72     \expandafter\XC@mul\@tmp,\@clr
73     \fi
74     \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
75     \expandafter\endgroup\@tmp}}
76 \def\XC@bidiundeclaredcolor#1#2%
77 {\@ifundefinedmodel{#1}%
78  {\color@error{model `#1'}}%
79  {\@nameuse{color@#1}\current@color{#2}}%
80  \edef\XC@current@color{\noexpand\color@{}{\current@color}{#1}{#2}}%
81  \XC@display}}
82 \def\@bidideclaredcolor#1%
83 {\XC@edef\XC@tmp{#1}\XC@tstfalse
84  \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
85  \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
86  \ifconvertcolorsU\XC@tsttrue\fi
87  \fi
88  \ifXC@tst
89  \expandafter\XC@bidideclaredcolor\else
90  \expandafter\XC@bidideclaredc@lor\fi}
91 \def\XC@bidideclaredcolor
92 {\XC@split\XC@tmp
93  \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
94  \expandafter\endgroup\@tmp}
95 \def\XC@bidideclaredc@lor
96 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
97  \edef\current@color{\XC@current@color}%
98  \XC@display}
99 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
100 \def\color@fb@x#1#2#3#\protect\color@fb@x{#1}{#2}{#3}}
101 \def\color@fb@x#1#2#3#4%
102 {\color@b@x{\fb@xsep\z@\bidicolor#1{#2}\XC@fb@x}%
103  {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
104 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode\if

```

## 7.82 xetex-bidi.def

```

1 \ProvidesFile{xetex-bidi.def}[2010/08/01 v0.8 bidi adaptations for XeTeX engine]
2 \ifx\TeXeTstate\undefined\else%
3   \TeXeTstate=1
4 \fi
5 \def\Bidi@RTL@everypar{\ifRTL{\setbox\z@\lastbox\beginR\usebox\z@}\fi}
6   \let\o@everypar=\everypar
7   \newtoks\n@everypar

```

```

8 \n@everypar\expandafter{\the\o@everypar}
9 \o@everypar{\Bidi@RTL@everypar\the\n@everypar}
10 \let\everypar=\n@everypar
11 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
12 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
13 \protected\def\hboxR{\hbox\bgroup
14 \everyhbox{%
15 \aftergroup\egroup
16 \everyhbox{}}%
17 \beginR
18 \bgroup
19 \aftergroup\endR
20 \aftergroup\egroup
21 }\hbox}
22 \protected\def\hboxL{\hbox\bgroup
23 \everyhbox{%
24 \aftergroup\egroup
25 \everyhbox{}}%
26 \beginL
27 \bgroup
28 \aftergroup\endL
29 \aftergroup\egroup
30 }\hbox}
31 \protected\def\vboxR{\vbox\bgroup
32 \everyvbox{%
33 \aftergroup\egroup
34 \everyvbox{}}%
35 \beginR
36 \bgroup
37 \aftergroup\endR
38 \aftergroup\egroup
39 }\vbox}
40 \protected\def\vboxL{\vbox\bgroup
41 \everyvbox{%
42 \aftergroup\egroup
43 \everyvbox{}}%
44 \beginL
45 \bgroup
46 \aftergroup\endL
47 \aftergroup\egroup
48 }\vbox}
49 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
50 \def\endLTR{\par}
51 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
52 \def\endRTL{\par}
53 \def\ltr{\if@RTL\par\@RTLfalse\@RTL@footnotefalse\fi}
54 \def\rtl{\if@RTL\relax\else\par\@RTLtrue\@RTL@footnotetrue\fi}
55 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
56 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
57 \let\unsetRTL=\setLTR

```

```

58 \let\unsetLTR=\setRTL
59 \let\LR=\LRE
60 \let\RL=\RLE
61 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
62 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
63 \let\@ensure@RL=\@ensure@RTL
64 \let\@ensure@LR=\@ensure@LTR
65 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
66 \let\@ensure@maindir=\@ensure@dir
67 \def\@RTL{RTL}
68 \def\@LTR{LTR}
69 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
70 \def\reset@dir{\ifx\saved@@dir\@RTL\setRTL\else\ifx\saved@@dir\@LTR\setLTR\else\relax\fi\fi}
71 \let\@TeX\TeX
72 \def\TeX{\@ensure@LTR{\@TeX}}
73 \let\@LaTeX\LaTeX
74 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
75 \let\@LaTeXe\LaTeXe
76 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
77 \def\reflect#1{{\setbox0=\hbox{#1}\rlap{\kern0.5\wd0
78 \special{x:gsave}\special{x:scale -1 1}}\box0 \special{x:grestore}}}
79 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
80 \hbox{\kern-.125em\reflect{E}}\kern-.1667em \TeX}}$}}
81 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
82 \hbox{\kern-.125em\reflect{E}}\kern-.1667em \LaTeX}}$}}
83 \let\setRL=\setRTL
84 \let\setLR=\setLTR
85 \let\unsetRL=\setLTR
86 \DeclareOption{RTLdocument}{\@RTLtrue\@RTL@footnotetrue\g@addto@macro\document{\autofooterule}}
87 \DeclareOption{rldocument}{\@RTLtrue\@RTL@footnotetrue\g@addto@macro\document{\autofooterule}}
88 \def\rcases#1{\left.\vcenter{\normalbaselines\m@th
89 \ialign{##\hfil$&\quad{##}\hfil\crrc#1\crrc}}\right\}}
90 \def\SepMark#1{\gdef\SepMark{\if@RTL\fi#1\if@RTL\fi}}
91 \SepMark{.}
92 \def\thmcountersep{\@SepMark}
93 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemfalse}
94 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemfalse}
95 \def\setdefaultbibitems{\@RTLbibitemfalse\@LTRbibitemfalse}
96 \def\list#1#2{%
97 \ifnum \@listdepth >5\relax
98 \toodeep
99 \else
100 \global\advance\@listdepth\@ne
101 \fi
102 \rightmargin\z@
103 \listparindent\z@
104 \itemindent\z@
105 \csname @list\romannumeral\the\@listdepth\endcsname
106 \def\@itemlabel{#1}%
107 \let\makelabel\@mklab

```

```

108 \@nmbriestfalse
109 #2\relax
110 \@trivlist
111 \parskip\parsep
112 \parindent\listparindent
113 \advance\linewidth -\rightmargin
114 \advance\linewidth -\leftmargin
115 \if@RTL
116 \advance\@totalleftmargin \rightmargin
117 \else
118 \advance\@totalleftmargin \leftmargin
119 \fi
120 \parshape \@ne \@totalleftmargin \linewidth
121 \ignorespaces}
122 \newenvironment{LTRitems}[1][\labelsep]
123     {\par\@RTLfalse
124     \leftskip\labelwidth
125     \advance\leftskip #1
126     \advance\rightskip -\leftmargin
127     \ignorespaces}{\endtrivlist}
128 \newenvironment{RTLitems}[1][\labelsep]
129     {\par\@RTLtrue
130     \rightskip\labelwidth
131     \advance\rightskip #1
132     \advance\leftskip -\leftmargin
133     \ignorespaces}{\endtrivlist}
134 \def\raggedright{%
135 \let\\\@centercr
136 \leftskip\z@skip\rightskip\@flushglue
137 \parindent\z@\parfillskip\z@skip}
138 \let\@raggedleft=\raggedleft
139 \let\@raggedright=\raggedright
140 \renewcommand\raggedleft{\if@RTL\@raggedright%
141 \else\@raggedleft\fi}
142 \renewcommand\raggedright{\if@RTL\@raggedleft%
143 \else\@raggedright\fi}
144 \def\raggedright{%
145 \let\\\@centercr
146 \rightskip\z@skip\rightskip\@flushglue
147 \parindent\z@\parfillskip\z@skip}
148 \renewcommand\raggedleft{\@raggedleft}
149 \renewcommand\raggedright{\@raggedright}
150 \def\centerline#1{%
151 \if@RTL\@@line{\hss\beginR#1\endR\hss}
152 \else\@@line{\hss#1\hss}\fi}
153 \def\leftline#1{%
154 \if@RTL\@@line{\beginR#1\endR\hss}
155 \else\@@line{#1\hss}\fi}
156 \def\rightline#1{%
157 \if@RTL\@@line{\hss\beginR#1\endR}

```

```

158 \else\@@line{\hss#1}\fi}
159 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
160 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
161 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
162     \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
163 \def\narrower{%
164     \advance\if@RTL\righskip\else\leftskip\fi\parindent
165     \advance\if@RTL\leftskip\else\righskip\fi\parindent}
166 \def\underline#1{%
167     \relax
168     \ifmode\@@underline{#1}%
169     \else
170 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
171 \else
172 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
173 \if@compatibility
174     \let\underline=\underline
175 \fi
176 \global\@RTLtabfalse
177 \def\@tabular{\if@RTL\@RTLtabtrue\fi
178     \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
179     $\let\@acol\@tabacol
180     \let\@classz\@tabclassz
181     \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
182 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
183     \egroup $\if@RTLtab\endR\fi\egroup
184     \@RTLtabfalse}
185 \expandafter \let \csname endtabular*\endcsname = \endtabular
186 \def\@array[#1]#2{%
187     \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
188     \bgroup
189     \setbox\@arstrutbox\hbox{%
190         \vrule \@height\arraystretch\ht\strutbox
191         \@depth\arraystretch \dp\strutbox
192         \@widthz@}%
193     \mkpream{#2}%
194     \edef\@preamble{%
195         \ialign \noexpand\@halignto
196         \bgroup \@arstrut \@preamble \tabskipz@skip \cr}%
197     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
198     \let\@tabularnewline\\%
199     \let\par\@empty
200     \let\@sharp##%
201     \set@typeset@protect
202     \lineskipz@skip\baselineskipz@skip
203     \ifhmode \@preamerrz@ \@@par\fi
204     \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
205     \@preamble}
206 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
207     \ifnum \@lastchclass=3 5 \else

```



```

208 \z@ \if #1c\@chnum \z@ \else
209 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
210 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
211 \chclass \if #1l\@ne \else
212 \if #1@\tw@ \else
213 \if #1p3 \else \z@ \@preamerr 0\fi
214 \fi \fi \fi \fi \fi \fi
215 \fi}
216 \def\@dottedtocline#1#2#3#4#5{%
217 \ifnum #1>\c@tocdepth \else
218 \vskip \z@ \@plus.2\p@
219 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \par
220 \parindent #2\relax\@afterindenttrue
221 \interlinepenalty\@M
222 \leavevmode
223 \@tempdima #3\relax
224 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else
225 \leftskip\fi #4}\nobreak
226 \leaders\hbox{\$}\m@th
227 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
228 mu}\hfill
229 \nobreak
230 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
231 \par}%
232 \fi}
233 \def\RTL@outputdblcol{%
234 \if@firstcolumn \global\@firstcolumnfalse
235 \global\setbox\@leftcolumn \box\@outputbox
236 \else \global\@firstcolumntrue
237 \setbox\@outputbox \vbox {\hbox to\textwidth {%
238 \hskip \columnwidth
239 \hfil \vrule width\columnseprule \hfil
240 \hbox to\columnwidth {\box\@leftcolumn \hss}}%
241 \hskip -\textwidth
242 \hbox to\columnwidth{\box\@outputbox \hss}}%
243 \hskip \columnsep
244 \hskip \columnwidth }}%
245 \@combinedblfloats \@outputpage
246 \begingroup \@dblfloatplacement \@startdblcolumn
247 \@whiles\if@fcolmade \fi
248 {\@outputpage \@startdblcolumn }\endgroup
249 \fi}
250 \def\LTR@outputdblcol{%
251 \if@firstcolumn
252 \global \@firstcolumnfalse
253 \global \setbox\@leftcolumn \box\@outputbox
254 \else
255 \global \@firstcolumntrue
256 \setbox\@outputbox \vbox {%
257 \hb@xt@\textwidth {%

```

```

258         \hb@xt@\columnwidth {%
259             \box@\leftcolumn \hss}%
260         \hfil
261         {\normalcolor\vrule \@width\columnseprule}%
262         \hfil
263         \hb@xt@\columnwidth {%
264             \box@\outputbox \hss}%
265             }%
266         }%
267     \@combinedblfloats
268     \@outputpage
269     \begingroup
270     \@dblfloatplacement
271     \@startdblcolumn
272     \@whilesw@if@fcolmade \fi
273     { \@outputpage
274       \@startdblcolumn}%
275     \endgroup
276     \fi
277 }
278 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
279 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
280 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
281 \long\def\@imakebox[#1][#2]#3{%
282     \leavevmode%
283     \@begin@tempboxa\hbox{#3}%
284     \setlength\@tempdima{#1}%          support calc
285     \hb@xt@\@tempdima{\csname bm@#2\endcsname}%
286     \@end@tempboxa}
287 \def\bm@l{\if@RTL\hss\else\fi\unhbox\@tempboxa\if@RTL\else\hss\fi}\let\bm@t\bm@l
288 \def\bm@r{\if@RTL\else\hss\fi\unhbox\@tempboxa\if@RTL\hss\else\fi}\let\bm@b\bm@r
289 \def\endminipage{%
290     \par
291     \unskip
292     \ifvoid\@mpfootins\else
293         \vskip\skip\@mpfootins
294         \normalcolor
295         \footnoterule
296         \unvbox\@mpfootins
297     \fi
298     \@minipagefalse    %% added 24 May 89
299     \color@endgroup
300 \egroup
301 \if@RTL\endL\fi
302 \egroup
303 \egroup
304 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa\leavevmode}}
305 \long\def\@iiparbox#1#2[#3]#4#5{%
306     \leavevmode
307     \@pboxeswfalse

```

```

308 \setlength\@tempdima{#4}%
309 \@begin@tempboxa\vbox{\hbox{\if@RTL\beginL\fi\if #1t\vtop\else\vbox\fi{\hsize\@tempdima\@parbox
310 \ifx\relax#2\else
311 \setlength\@tempdimb{#2}%
312 \edef\@parboxto{to\the\@tempdimb}%
313 \fi
314 \if#1b\vbox
315 \else\if #1t\vtop
316 \else\ifmode\vcenter
317 \else\@pboxswtrue $\vcenter
318 \fi\fi\fi
319 \@parboxto{\let\hss\vss\let\unhbox\unvbox
320 \csname bm@#3\endcsname}%
321 \if@pboxsw \m@th$\fi
322 \@end@tempboxa}
323 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
324 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
325 \if@twocolumn
326 \if@firstcolumn \@tempcnta\m@ne \fi
327 \else
328 \if@mparswitch
329 \ifodd\c@page \else\@tempcnta\m@ne \fi
330 \fi
331 \if@reversemargin \@tempcnta -\@tempcnta \fi
332 \fi
333 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
334 \@tempdima\@mparbottom
335 \advance\@tempdima -\@pageht
336 \advance\@tempdima\ht\@marbox
337 \ifdim\@tempdima >\z@
338 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
339 \else
340 \@tempdima\z@
341 \fi
342 \global\@mparbottom\@pageht
343 \global\advance\@mparbottom\@tempdima
344 \global\advance\@mparbottom\dp\@marbox
345 \global\advance\@mparbottom\marginparpush
346 \advance\@tempdima -\ht\@marbox
347 \global\setbox \@marbox
348 \vbox {\vskip \@tempdima
349 \box \@marbox}%
350 \global \ht\@marbox \z@
351 \global \dp\@marbox \z@
352 \kern -\@pagedp
353 \nointerlineskip
354 \hb@xt@\columnwidth
355 {\if@RTL\ifLTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi\fi
356 \hskip\columnwidth \hskip\marginparsep
357 \else

```

```

358         \hskip -\marginparsep \hskip -\marginparwidth
359         \fi
360     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else\en
361     \nointerlineskip
362     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
363 \long\def\@ympar#1{%
364     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar\@R
365     \global\setbox\@currbox\copy\@marbox
366     \xympar}
367 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
368 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
369 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
370 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
371     \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
372 \hbox to\@tempdima\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
373     \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
374     \hbox to\linewidth\if@RTL\beginR\fi\@itemfudge
375     \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
376 \fi}
377 \def\@outputpage{%
378 \begingroup           % the \endgroup is put in by \aftergroup
379     \let \protect \noexpand
380     \@resetactivechars
381     \global\let\@if@newlist\if@newlist
382     \global\@newlistfalse
383     \@parboxrestore
384     \shipout \vbox{%
385         \set@typeset@protect
386         \aftergroup \endgroup
387         \aftergroup \set@typeset@protect
388                 % correct? or just restore by ending
389                 % the group?
390     \if@specialpage
391         \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
392     \fi
393     \if@twoside
394         \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
395             \let\@themargin\oddsidemargin
396         \else \let\@thehead\@evenhead
397             \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
398     \fi
399     \ifx\@thehead\@empty \let\@thehead\hfil \fi
400     \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
401     \else %% not @twoside
402     \ifx\@oddhead\@empty \let\@thehead\hfil \fi
403     \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
404 \fi
405 \reset@font
406 \normalsize
407 \normalsfcodes

```

```

408 \let\label@gobble
409 \let\index@gobble
410 \let\glossary@gobble
411 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
412 \begin{dvi
413 \vskip \topmargin
414 \moveright\@themargin \vbox {%
415 \setbox\@tempboxa \vbox to\headheight{%
416 \vfil
417 \color@hbox
418 \normalcolor
419 \hb@xt@\textwidth{\if@RTLmain\beginR\fi\@thehead\if@RTLmain\endR\fi}%
420 \color@endbox
421 }%
422 \dp\@tempboxa \z@
423 \box\@tempboxa
424 \vskip \headsep
425 \box\@outputbox
426 \baselineskip \footskip
427 \color@hbox
428 \normalcolor
429 \hb@xt@\textwidth{\if@RTLmain\beginR\fi\@thefoot\if@RTLmain\endR\fi}%
430 \color@endbox
431 }%
432 }%
433 \global\let\if@newlist\@if@newlist
434 \global \colht \textheight
435 \stepcounter{page}%
436 \let\firstmark\botmark
437 }
438 \long\def\@makecaption#1#2{%
439 \vskip\abovcaptionskip
440 \sbox\@tempboxa{#1: #2}%
441 \ifdim \wd\@tempboxa >\hsize
442 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
443 \else
444 \global \@minipagefalse
445 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
446 \fi
447 \vskip\belowcaptionskip}
448 \everydisplay\expandafter{\the\everydisplay\predisplaydirection=0 }
449 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
450 \input{footnote-xetex-bidi.def}
451 \@ifclassloaded{article}{\input{article-xetex-bidi.def}}{}
452 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
453 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
454 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
455 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
456 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
457 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}

```

```

458 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
459 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
460 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
461 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
462 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
463 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{}{\input{report-xetex-bidi.def}}{}}
464 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
465 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
466 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
467 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
468 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
469 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
470 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
471 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
472 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
473 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}{}}
474 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
475 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
476 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
477 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
478 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
479 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
480 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
481 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
482 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
483 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
484 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
485 \@ifpackageloaded{float}{\input{float-xetex-bidi.def}}{}
486 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
487 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
488 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
489 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
490 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
491 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
492 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
493 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
494 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
495 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
496 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
497 \@ifpackageloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
498 \@ifpackageloaded{pgf}{\input{pgf-xetex-bidi.def}}{}
499 \@ifpackageloaded{tikz}{\input{tikz-xetex-bidi.def}}{}
500 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
501 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
502 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
503 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
504 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
505 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
506 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
507 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}

```

```

508 \ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
509 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
510 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
511 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
512 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
513 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
514 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
515 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
516 \DeclareOption{extrafootnotefeatures}{\input{extrafootnotefeatures.def}}

```

### 7.83 xltextra-xetex-bidi.def

```

1 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for XeTeX]
2 \let\@XeTeX\XeTeX
3 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
4 \let\@XeLaTeX\XeLaTeX
5 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

## 8 Index

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

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## 9 Change History

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