

# The XePersian Package



Persian for L<sup>A</sup>T<sub>E</sub>X, using XeT<sub>E</sub>X engine

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If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please do not send any direct email to me; I will not answer any direct email. Instead please use the issue tracker:

<https://github.com/vafa/xepersian/issues>

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

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# 1 Introduction

XePersian is a package for typesetting Persian/English documents with Xe $\LaTeX$ . The package includes adaptations for use with many other commonly-used packages.

## 1.1 Important Notes

- ☞ The XePersian package only works with Xe $\TeX$  engine.
- ☞ Before reading this documentation, you should have read the documentation of the `bidi` package. The XePersian package automatically loads `bidi` package with `RTLdocument` option enabled and hence any commands that `bidi` package offers, is also available in XePersian package. Here, in this documentation, we will not repeat any of `bidi` package's commands.
- ☞ In previous versions ( $\leq 1.0.3$ ) of XePersian, a thesis class provided for typesetting thesis. As of version 1.0.4, we no longer provide this class because we are not familiar with specification of a thesis in Iran and even if we were, the specifications are different from University to University. XePersian is a general package like  $\LaTeX$  and should not provide any class for typesetting thesis. So if you really want to have a class file for typesetting thesis, then you should ask your University/department to write one for you.

## 1.2 XePersian Info On The Terminal and In The Log File

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

```
*****
*
* xepersian package (Persian for LaTeX, using XeTeX engine)
*
* Description: The package supports Persian
* typesetting, using fonts provided in the
* distribution.
*
* Copyright © 2008-2014 Vafa Khalighi
*
* v14.2, 2014/08/25
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
```

```
* Issue tracker: https://github.com/vafa/xepersian/issues
*
* Support: persian-tex@tug.org
*****
```

## 2 Basics

### 2.1 Loading The Package

You can load the package in the ordinary way;

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

Where options of the package are explained later in [subsection 2.4](#).

When loading the package, it is important to know that:

- ❶ xepersian should be the last package that you load, because otherwise you are certainly going to overwrite bidi and XePersian package's definitions and consequently, you will not get the expected output.
- ❷ In fact, in addition to bidi, XePersian also makes sure that some specific packages are loaded before bidi and XePersian; these are those packages that bidi and XePersian modifies them for bidirectional and Persian/English type-setting.

If you load XePersian before any of these packages, then you will get an error saying that you should load XePersian or bidi as your last package. When it says that you should load bidi package as your last package, it really means that you should load XePersian as your last package as bidi package is loaded automatically by XePersian package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{xepersian}
3 \usepackage{enumerate}
4 \settextfont{XB Niloofar}
5 \begin{document}
6 این فقط یک آزمایش است
7 \end{document}
```

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

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

```

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

1.5 \begin{document}

?

```

## 2.2 XePersian's Symbol

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

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

```
\xepersianversion \xepersiandate
```

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

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

```

1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \begin{document}
5 \begin{latin}
6 This is typeset by \textsf{\XePersian} package, \xepersianversion,
7 \xepersiandate.
8 \end{latin}
9 \end{document}

```

## 2.4 Options of The Package

There are six options:

### 2.4.1 extrafootnotefeatures Option

This is just the `extrafootnotefeatures` Option of `bidi` package. If you enable this option, you can typeset footnotes in paragraph form or in multi-columns (from two-columns to ten-columns). For more details, please read the manual of `bidi` package.

---

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

### 2.4.2 Kashida Option

If you pass `Kashida` option to the package, you will use `Kashida` for stretching words for better output quality and getting rid of underfull or overfull `\hbox` messages.

Note that you can not use `Kashida` option when you are using Nastaliq-like font (well, you still can use `Kashida` option when you use any Nastaliq-like font, but I can not guarantee high quality output!).

The following two commands are provided when you activate the `Kashida` option:

<code>\KashidaOn</code> <code>\KashidaOff</code>
--------------------------------------------------

☞ `\KashidaOn` enables `Kashida` and is active by default when `Kashida` option is activated.

☞ `\KashidaOff` disables `Kashida`.

### 2.4.3 quickindex Option

When you generally want to prepare index for your Persian documents, you need to first run `xelatex`, then `xindy`, and again `xelatex` on your document respectively, which is very time consuming. The `quickindex` option gives you the index with only and only one run of `xelatex`. To use this feature, you will need to run `xelatex --shell-escape` on your `TEX` document; otherwise you get an error which indicates that shell scape (or `write18`) is not enabled.

This option is now obsolete and equivalent to `quickindex-variant2` option.

### 2.4.4 quickindex-variant1 Option

Same as `quickindex` Option but uses variant one (in which `ٿ` is grouped under `ل`) for sorting Persian alphabets.

### 2.4.5 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which `ٿ` is a separate letter) for sorting Persian alphabets.

### 2.4.6 localise Option

The `localise` option is now active by default; it allows you to use most frequently-used `LATEX` commands and environments in Persian, almost like what `TEX-e-Parsi` offers. This is still work in progress and we wish to add lots more Persian equivalents of `LATEX` and `TEX` commands and environments. The Persian equivalents of `LATEX` and `TEX` commands are shown in [Table 1](#), The Persian equivalents of

XePersian commands are shown in Table 2, Persian equivalents of L<sup>A</sup>T<sub>E</sub>X environments are shown in Table 3 and Persian equivalents of XePersian environments are shown in Table 4

Please note that the Persian equivalents of L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X commands and environments are only available after loading xepersian package. This means that you have to write all commands or environments that come before `\usepackage{xepersian}`, in its original form, i.e. `\documentclass`.

Not only you can use Persian equivalents of L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X commands and environments, but still original L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X commands and environments work too.

The T<sub>E</sub>X L<sup>A</sup>T<sub>E</sub>X and XePersian commands and environments and their Persian equivalents listed in Table 1, Table 2, Table 3 and Table 4 is not the whole story; If any command and environment in Table 1, Table 2, Table 3 and Table 4 have a starred version, their starred version also work. For example in Table 1, the Persian equivalent of `\chapter` is `فصل`. I know that `\chapter` has a starred version, so this means `*فصل` is also the Persian equivalent of `\chapter*`. Is that clear?

However there is more; you can localise any other commands/environments you want. You can use the following commands to localise your own commands/environments:

```
\eqcommand{<command-name in Persian>}{<original LATEX command-name>}
\eqenvironment{<environment-name in Persian>}{<original LATEX environment-name>}
```

Table 1: The Equivalent L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X Commands

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\@arstrut</code>	<code>\شمع جدول</code>
<code>\above</code>	<code>\فوق</code>
<code>\abovedisplayshortskip</code>	<code>\فاصله کوتاه بالای نمایش</code>
<code>\abovedisplayskip</code>	<code>\فاصله بالای نمایش</code>
<code>\abstractname</code>	<code>\عنوان چکیده</code>
<code>\accent</code>	<code>\اکسنت</code>
<code>\active</code>	<code>\فعال</code>
<code>\addcontentsline</code>	<code>\بیفزاسطر فهرست</code>
<code>\addpenalty</code>	<code>\اضافه بر جریمه</code>
<code>\address</code>	<code>\نشانی</code>
<code>\addtocontents</code>	<code>\بیفزابه فهرست</code>
<code>\addtocounter</code>	<code>\اضافه بر شمارنده</code>
<code>\addtolength</code>	<code>\اضافه بر بعد</code>
<code>\addvspace</code>	<code>\بیفزافضای و</code>
<code>\adjdemerits</code>	<code>\تنظیم بد نمایی</code>
<code>\advance</code>	<code>\بیفزابر</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\afterassignment</code>	<code>\بعد از انتساب</code>
<code>\aftergroup</code>	<code>\بعد از گروه</code>
<code>\aleph</code>	<code>\الف</code>
<code>\aliasfontfeature</code>	<code>\خصیصه مستعار قلم</code>
<code>\aliasfontfeatureoption</code>	<code>\انتخاب خصیصه مستعار قلم</code>
<code>\allowbreak</code>	<code>\شکستی</code>
<code>\alloc@</code>	<code>\تخصیصی@</code>
<code>\allocationnumber</code>	<code>\تخصیص یافته</code>
<code>\allowdisplaybreaks</code>	<code>\شکست نمایش مجاز</code>
<code>\Alph</code>	<code>\حروف بزرگ</code>
<code>\alph</code>	<code>\حروف کوچک</code>
<code>\alsiname</code>	<code>\نام همچنین</code>
<code>\and</code>	<code>\و</code>
<code>\angle</code>	<code>\زاویه</code>
<code>\appendixname</code>	<code>\عنوان پیوست</code>
<code>\approx</code>	<code>\تقریب</code>
<code>\arabic</code>	<code>\عربی</code>
<code>\arg</code>	<code>\آرگ</code>
<code>\arrayrulecolor</code>	<code>\رنگ خط جدول</code>
<code>\arraycolsep</code>	<code>\فاصله ستونهای آرایه</code>
<code>\arrayrulewidth</code>	<code>\ضخامت خط جدول</code>
<code>\arraystretch</code>	<code>\کشیدگی آرایه</code>
<code>\AtBeginDocument</code>	<code>\در آغاز نوشتار</code>
<code>\AtEndDocument</code>	<code>\در پایان نوشتار</code>
<code>\AtEndOfClass</code>	<code>\در انتهای طبقه</code>
<code>\AtEndOfPackage</code>	<code>\در انتهای سبک</code>
<code>\author</code>	<code>\نویسنده</code>
<code>\backmatter</code>	<code>\مطلب پشت</code>
<code>\backslash</code>	<code>\شکاف پشت</code>
<code>\badness</code>	<code>\بدنمایی</code>
<code>\bar</code>	<code>\میله</code>
<code>\baselineskip</code>	<code>\فاصله کرسی</code>
<code>\baselinestretch</code>	<code>\کشش فاصله کرسی</code>
<code>\batchmode</code>	<code>\پردازش دسته ای</code>
<code>\begin</code>	<code>\شروع</code>
<code>\beginL</code>	<code>\شروع چپ</code>
<code>\beginR</code>	<code>\شروع راست</code>
<code>\begingroup</code>	<code>\شروع گروه</code>
<code>\belowdisplayshortskip</code>	<code>\فاصله کوتاه پایین نمایش</code>
<code>\belowdisplayskip</code>	<code>\فاصله پایین نمایش</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\bf</code>	<code>\سیاه</code>
<code>\bfdefault</code>	<code>\پیش فرض سیاه</code>
<code>\bfseries</code>	<code>\شمال سیاه</code>
<code>\bgroup</code>	<code>\شر گروه</code>
<code>\bibitem</code>	<code>\مرجع</code>
<code>\bibliography</code>	<code>\کتاب نامه</code>
<code>\bibliographystyle</code>	<code>\سبک کتاب نامه</code>
<code>\bibname</code>	<code>\عنوان کتاب نامه</code>
<code>\bigskip</code>	<code>\پرش بلند</code>
<code>\bigskipamount</code>	<code>\مقدار پرش بلند</code>
<code>\botfigrule</code>	<code>\خط پایین شناور</code>
<code>\botmark</code>	<code>\علامت پایین</code>
<code>\bottompageskip</code>	<code>\کادر تا پایین</code>
<code>\bottomfraction</code>	<code>\نسبت پایین</code>
<code>\box</code>	<code>\کادر</code>
<code>\boxmaxdepth</code>	<code>\حد اکثر عمق کادر</code>
<code>\break</code>	<code>\بشکن</code>
<code>\bullet</code>	<code>\گلوله</code>
<code>\@cclv</code>	<code>\دوپن@پنج</code>
<code>\@cclvi</code>	<code>\دوپن@شش</code>
<code>\caption</code>	<code>\شرح</code>
<code>\catcode</code>	<code>\کد درده</code>
<code>\cc</code>	<code>\رونوشت</code>
<code>\ccname</code>	<code>\نام رونوشت</code>
<code>\cdot</code>	<code>\نقطه وسط</code>
<code>\cdots</code>	<code>\نقاط وسط</code>
<code>\centering</code>	<code>\تنظیم از وسط</code>
<code>\centerline</code>	<code>\خط وسط</code>
<code>\ch@ck</code>	<code>\چک@ن</code>
<code>\chapter</code>	<code>\فصل</code>
<code>\chaptername</code>	<code>\عنوان فصل</code>
<code>\char</code>	<code>\نویسه</code>
<code>\chardef</code>	<code>\تعریف نویسه</code>
<code>\CheckCommand</code>	<code>\بررسی فرمان</code>
<code>\cite</code>	<code>\مرجع</code>
<code>\ClassError</code>	<code>\خطای طبقه</code>
<code>\ClassInfo</code>	<code>\اطلاع طبقه</code>
<code>\ClassWarning</code>	<code>\هشدار طبقه</code>
<code>\ClassWarningNoLine</code>	<code>\هشدار طبقه بی سطر</code>
<code>\cleaders</code>	<code>\نشانه گر مرکزی</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\cleardoublepage</code>	<code>\دو صفحه پاک</code>
<code>\clearpage</code>	<code>\صفحه پاک</code>
<code>\cline</code>	<code>\خط ناپر</code>
<code>\closein</code>	<code>\بند ورودی</code>
<code>\closeout</code>	<code>\بند خروجی</code>
<code>\closing</code>	<code>\بستن</code>
<code>\clubpenalty</code>	<code>\جریمه سر بند</code>
<code>\clubsuit</code>	<code>\خاج</code>
<code>\colbotmark</code>	<code>\علامت پایین ستون اول</code>
<code>\colfirstmark</code>	<code>\علامت اول ستون اول</code>
<code>\color</code>	<code>\رنگ</code>
<code>\colorbox</code>	<code>\کادر رنگ</code>
<code>\coltopmark</code>	<code>\علامت بالای ستون اول</code>
<code>\columncolor</code>	<code>\رنگ ستون</code>
<code>\columnsep</code>	<code>\بین ستون</code>
<code>\columnwidth</code>	<code>\پهنای ستون</code>
<code>\columnseprule</code>	<code>\خط بین ستون</code>
<code>\contentsline</code>	<code>\سطر فهرست</code>
<code>\contentsname</code>	<code>\عنوان فهرست مطالب</code>
<code>\copy</code>	<code>\کپی</code>
<code>\copyright</code>	<code>\حق تالیف</code>
<code>\count</code>	<code>\شمار</code>
<code>\count@</code>	<code>\شمار@</code>
<code>\countdef</code>	<code>\تعریف شمار</code>
<code>\cr</code>	<code>\سخ</code>
<code>\crrc</code>	<code>\سخ سخ</code>
<code>\csname</code>	<code>\نام فرمان</code>
<code>\CurrentOption</code>	<code>\گزینه جاری</code>
<code>\dashbox</code>	<code>\کادر بینابین</code>
<code>\dashv</code>	<code>\بینابین ع</code>
<code>\@date</code>	<code>\@تاریخ</code>
<code>\date</code>	<code>\تاریخ</code>
<code>\day</code>	<code>\روز</code>
<code>\dblbotfigrule</code>	<code>\خط پایین شناور پهن</code>
<code>\dblbottomfraction</code>	<code>\نسبت پهن پایین</code>
<code>\dblfigrule</code>	<code>\خط بالای شناور پهن</code>
<code>\dblfloatpagefraction</code>	<code>\نسبت صفحه شناور پهن</code>
<code>\dblfloatsep</code>	<code>\فاصله بین شناور پهن</code>
<code>\dblftnlocatcode</code>	<code>\کدامکان غیر همانطور</code>
<code>\dbltextfloatsep</code>	<code>\فاصله متن و شناور پهن</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\dbltopfraction</code>	\نسبت پهن بالا
<code>\DeclareFixedFont</code>	\اعلان قلم ثابت
<code>\DeclareGraphicsExtensions</code>	\اعلان پسوند گرافیک
<code>\DeclareGraphicsRule</code>	\اعلان دستور گرافیک
<code>\DeclareOldFontCommand</code>	\اعلان فرمان قلم قدیمی
<code>\DeclareOption</code>	\اعلان گزینه
<code>\DeclareRobustCommand</code>	\اعلان فرمان قوی
<code>\DeclareSymbolFont</code>	\اعلان قلم علائم
<code>\deadcycles</code>	\دور بسته
<code>\def</code>	\تر
<code>\define@key</code>	\تعریف @کلید
<code>\definecolor</code>	\تعریف رنگ
<code>\deg</code>	\درجه
<code>\delcode</code>	\کد جدا ساز
<code>\delimiter</code>	\جدا ساز
<code>\delimiterfactor</code>	\ضریب جدا ساز
<code>\depth</code>	\گودی
<code>\diamondsuit</code>	\خشت
<code>\dim</code>	\ابعاد
<code>\dimen</code>	\بعد
<code>\dimen@</code>	@بعد
<code>\dimen@i</code>	\بعد @یک
<code>\dimen@ii</code>	\بعد @دو
<code>\dimendef</code>	\تعریف بعد
<code>\discretionary</code>	\تیره گذاری
<code>\displaybreak</code>	\شکست نمایش
<code>\displayindent</code>	\تورفتگی نمایش
<code>\displaystyle</code>	\سبک نمایش
<code>\displaywidth</code>	\عرض نمایش
<code>\divide</code>	\تقسیم
<code>\documentclass</code>	\طبقه نوشتار
<code>\do</code>	\کن
<code>\dospecials</code>	\تعویض کدها
<code>\dot</code>	\نقطه
<code>\doteq</code>	\نقطه مساوی
<code>\dotfill</code>	\پر نقطه
<code>\dots</code>	\نقاط
<code>\doublebox</code>	\کادر دولا
<code>\doublerulesepcolor</code>	\رنگ فاصله دو خط جدول
<code>\doublerulesep</code>	\فاصله بین دو خط

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\downarrow</code>	<code>\فلش پایین</code>
<code>\dp</code>	<code>\عمق</code>
<code>\dump</code>	<code>\تخلیه</code>
<code>\edef</code>	<code>\ترگ</code>
<code>\egroup</code>	<code>\پاگروه</code>
<code>\eject</code>	<code>\انتهای فاصله</code>
<code>\else</code>	<code>\گرنه</code>
<code>\em</code>	<code>\تاکید</code>
<code>\emergencystretch</code>	<code>\کشش لاجرم</code>
<code>\emph</code>	<code>\موکد</code>
<code>\@empty</code>	<code>\@پوچ</code>
<code>\empty</code>	<code>\پوچ</code>
<code>\emptyset</code>	<code>\مجموعه پوچ</code>
<code>\end</code>	<code>\پایان</code>
<code>\endL</code>	<code>\پایان چپ</code>
<code>\endR</code>	<code>\پایان راست</code>
<code>\endcsname</code>	<code>\پایان نام فرمان</code>
<code>\endfirsthead</code>	<code>\پایان اولین سر</code>
<code>\endfoot</code>	<code>\پایان پا</code>
<code>\endgraf</code>	<code>\ته بند</code>
<code>\endgroup</code>	<code>\پایان گروه</code>
<code>\endhead</code>	<code>\پایان سر</code>
<code>\endinput</code>	<code>\پایان ورودی</code>
<code>\endlastfoot</code>	<code>\پایان آخرین پا</code>
<code>\enlargethispage</code>	<code>\گسترش این صفحه</code>
<code>\endline</code>	<code>\ته سطر</code>
<code>\endlinechar</code>	<code>\نویسه ته سطر</code>
<code>\enspace</code>	<code>\ان دوری</code>
<code>\enskip</code>	<code>\ان فاصله</code>
<code>\eqcommand</code>	<code>\فرمان جانشین</code>
<code>\eqenvironment</code>	<code>\محیط جانشین</code>
<code>\eqref</code>	<code>\ارجاع فر</code>
<code>\errhelp</code>	<code>\کمک خطا</code>
<code>\errmessage</code>	<code>\پیام خطا</code>
<code>\errorcontextlines</code>	<code>\سطر متن خطا</code>
<code>\errorstopmode</code>	<code>\پردازش توقف خطا</code>
<code>\escapechar</code>	<code>\نویسه ویژه</code>
<code>\euro</code>	<code>\یورو</code>
<code>\evensidemargin</code>	<code>\حاشیه زوج</code>
<code>\everycr</code>	<code>\هرسخ</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\everydisplay</code>	<code>\هرنمایش</code>
<code>\everyhbox</code>	<code>\هرکادرا</code>
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هربند</code>
<code>\everyvbox</code>	<code>\هرکادرو</code>
<code>\ExecuteOptions</code>	<code>\اجرای گزینه ها</code>
<code>\exhyphenpenalty</code>	<code>\جریمه اضافی تیره بندی</code>
<code>\expandafter</code>	<code>\بگستر پس از</code>
<code>\extracolsep</code>	<code>\فاصله اضافی بین ستونها</code>
<code>\@firstofone</code>	<code>\@اولی از یک</code>
<code>\@firstoftwo</code>	<code>\@اولی از دو</code>
<code>\f@ur</code>	<code>\چ@ار</code>
<code>\fam</code>	<code>\خانواده</code>
<code>\fancy page</code>	<code>\صفحه تجملی</code>
<code>\fbox</code>	<code>\کادر با</code>
<code>\fboxrule</code>	<code>\ضخامت کادر با</code>
<code>\fboxsep</code>	<code>\حاشیه کادر با</code>
<code>\fcolorbox</code>	<code>\کادر با رنگ</code>
<code>\fi</code>	<code>\رگ</code>
<code>\figurename</code>	<code>\عنوان شکل</code>
<code>\filbreak</code>	<code>\پر شکن</code>
<code>\fill</code>	<code>\پر</code>
<code>\firstmark</code>	<code>\علامت اول</code>
<code>\flat</code>	<code>\پهن</code>
<code>\floatpagefraction</code>	<code>\نسبت صفحه شناور</code>
<code>\floatingpenalty</code>	<code>\جریمه شناور</code>
<code>\floatsep</code>	<code>\فاصله بین شناور</code>
<code>\flushbottom</code>	<code>\تنظیم از پایین</code>
<code>\fmtname</code>	<code>\شکل بندی</code>
<code>\fmtversion</code>	<code>\رده شکل بندی</code>
<code>\fnsymbol</code>	<code>\نشانه</code>
<code>\font</code>	<code>\قلم</code>
<code>\fontdimen</code>	<code>\بعد قلم</code>
<code>\fontencoding</code>	<code>\رمز پنه قلم</code>
<code>\fontfamily</code>	<code>\فامیل قلم</code>
<code>\fontname</code>	<code>\نام قلم</code>
<code>\fontseries</code>	<code>\شمار قلم</code>
<code>\fontshape</code>	<code>\شکل قلم</code>
<code>\fontsize</code>	<code>\اندازه قلم</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\fotheight</code>	<code>\بلندای پایین صفحه</code>
<code>\footins</code>	<code>\درج زیرنویس</code>
<code>\footnote</code>	<code>\زیرنویس</code>
<code>\footnotemark</code>	<code>\علامت زیرنویس</code>
<code>\footnoterule</code>	<code>\خط زیرنویس</code>
<code>\footnotesep</code>	<code>\فاصله تازیرنویس</code>
<code>\footnotesize</code>	<code>\اندازه زیرنویس</code>
<code>\footnotetext</code>	<code>\متن زیرنویس</code>
<code>\footskip</code>	<code>\فاصله تا پایین صفحه</code>
<code>\frame</code>	<code>\فریم</code>
<code>\framebox</code>	<code>\کادر با خط</code>
<code>\frenchspacing</code>	<code>\فواصل یکنواخت لاتین</code>
<code>\frontmatter</code>	<code>\مطلب پیش</code>
<code>\futurelet</code>	<code>\بعد بگذار</code>
<code>\@gobble</code>	<code>\@خور حریصانه</code>
<code>\@gobbletwo</code>	<code>\@خور حریصانه دو</code>
<code>\@gobblefour</code>	<code>\@خور حریصانه چهار</code>
<code>\@gtempa</code>	<code>\@عاقبت آ</code>
<code>\@gtempb</code>	<code>\@عاقبت ب</code>
<code>\gdef</code>	<code>\ترع</code>
<code>\GenericInfo</code>	<code>\الگوی اطلاع</code>
<code>\GenericWarning</code>	<code>\الگوی هشدار</code>
<code>\GenericError</code>	<code>\الگوی خطا</code>
<code>\global</code>	<code>\عام</code>
<code>\globaldefs</code>	<code>\تعاریف عام</code>
<code>\glossary</code>	<code>\لغت نامه</code>
<code>\glossaryentry</code>	<code>\فقره فرهنگ</code>
<code>\goodbreak</code>	<code>\خوش شکن</code>
<code>\graphpaper</code>	<code>\کاغذ گراف</code>
<code>\guillemotleft</code>	<code>\گیومه چپ</code>
<code>\guillemotright</code>	<code>\گیومه راست</code>
<code>\guilsinglleft</code>	<code>\گیومه تکی چپ</code>
<code>\guilsinglright</code>	<code>\گیومه تکی راست</code>
<code>\halign</code>	<code>\ردیف ا</code>
<code>\hang</code>	<code>\بروتو</code>
<code>\hangafter</code>	<code>\بعد از سطر</code>
<code>\hangindent</code>	<code>\تورفتگی ثابت</code>
<code>\hbadness</code>	<code>\بدنمایی ا</code>
<code>\hbox</code>	<code>\کادر ا</code>
<code>\headheight</code>	<code>\بلندای سر صفحه</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\headsep</code>	<code>\فاصله از سر صفحه</code>
<code>\headtoname</code>	<code>\سربه نام</code>
<code>\heartsuit</code>	<code>\دل</code>
<code>\height</code>	<code>\بلندا</code>
<code>\hfil</code>	<code>\پرا</code>
<code>\hfill</code>	<code>\پررا</code>
<code>\hfilneg</code>	<code>\رفع پرا</code>
<code>\hfuzz</code>	<code>\پر ز افقی</code>
<code>\hideskip</code>	<code>\فاصله مخفی</code>
<code>\hidewidth</code>	<code>\عرض پنهان</code>
<code>\hline</code>	<code>\خط پر</code>
<code>\hoffset</code>	<code>\حاشیه ا</code>
<code>\holdinginserts</code>	<code>\حفظ درج</code>
<code>\hrboxsep</code>	<code>\فاصله اگر د</code>
<code>\hrule</code>	<code>\خط ا</code>
<code>\hrulefill</code>	<code>\پر خط ا</code>
<code>\hsize</code>	<code>\طول سطر</code>
<code>\hskip</code>	<code>\فاصله ا</code>
<code>\hspace</code>	<code>\فضای ا</code>
<code>\hss</code>	<code>\هر دوا</code>
<code>\ht</code>	<code>\ارتفاع</code>
<code>\huge</code>	<code>\بزرگ</code>
<code>\Huge</code>	<code>\بزرگ تر</code>
<code>\hyperlink</code>	<code>\ابر پیوند</code>
<code>\hypersetup</code>	<code>\بارگذاری ابر</code>
<code>\hypertarget</code>	<code>\هدف ابر</code>
<code>\hyphenation</code>	<code>\تیره بندی</code>
<code>\hyphenchar</code>	<code>\نویسه تیره</code>
<code>\hyphenpenalty</code>	<code>\جریمه تیره بندی</code>
<code>\@ifclassloaded</code>	<code>\@گر کلاس فراخوانی شده</code>
<code>\@ifdefinable</code>	<code>\@گر ترش دنی</code>
<code>\@ifnextchar</code>	<code>\@گر نویسه بعدی</code>
<code>\@ifpackageloaded</code>	<code>\@گر سبک فراخوانی شده</code>
<code>\@ifstar</code>	<code>\@گر ستاره</code>
<code>\@ifundefined</code>	<code>\@گر تعریف نشده</code>
<code>\if</code>	<code>\گر</code>
<code>\if@tempswa</code>	<code>\@گر@سواقت آ</code>
<code>\ifcase</code>	<code>\گرانواع</code>
<code>\ifcat</code>	<code>\گررده</code>
<code>\ifdefined</code>	<code>\گر تعریف شده</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\ifdim</code>	<code>\اگر بعد</code>
<code>\ifeof</code>	<code>\اگر ته پرونده</code>
<code>\iff</code>	<code>\اگر</code>
<code>\iffalse</code>	<code>\اگر نادرست</code>
<code>\IfFileExists</code>	<code>\اگر پرونده موجود</code>
<code>\ifhbox</code>	<code>\اگر کا در ا</code>
<code>\ifhmode</code>	<code>\اگر حالت ا</code>
<code>\ifinner</code>	<code>\اگر درونی</code>
<code>\ifmmode</code>	<code>\اگر حالت ریاضی</code>
<code>\ifnum</code>	<code>\اگر عدد</code>
<code>\ifodd</code>	<code>\اگر فرد</code>
<code>\ifthenelse</code>	<code>\اگر آنگاه دیگر</code>
<code>\iftrue</code>	<code>\اگر درست</code>
<code>\ifvbox</code>	<code>\اگر کا در و</code>
<code>\ifvmode</code>	<code>\اگر حالت و</code>
<code>\ifvoid</code>	<code>\اگر تهی</code>
<code>\ifx</code>	<code>\اگر تام</code>
<code>\ignorespaces</code>	<code>\فاصله خالی را ندیده بگیر</code>
<code>\immediate</code>	<code>\فوری</code>
<code>\include</code>	<code>\شامل</code>
<code>\includegraphics</code>	<code>\درج تصویر</code>
<code>\includeonly</code>	<code>\مشمولین</code>
<code>\indent</code>	<code>\تورفتگی</code>
<code>\index</code>	<code>\در نمایه</code>
<code>\indexentry</code>	<code>\استعلام</code>
<code>\indexname</code>	<code>\عنوان نمایه</code>
<code>\indexspace</code>	<code>\فاصله رهنما</code>
<code>\input</code>	<code>\ورودی</code>
<code>\InputIfFileExists</code>	<code>\ورود پرونده گرموجود</code>
<code>\inputlineno</code>	<code>\شماره سطر ورودی</code>
<code>\insert</code>	<code>\درج</code>
<code>\insertpenalties</code>	<code>\جریمه درج</code>
<code>\interfootnotelinepenalty</code>	<code>\جریمه بین سطرهای زیرنویس</code>
<code>\interdisplaylinepenalty</code>	<code>\جریمه بین سطرهای نمایش</code>
<code>\interlinepenalty</code>	<code>\جریمه بین سطرها</code>
<code>\intertext</code>	<code>\متن داخلی</code>
<code>\intertextsep</code>	<code>\فاصله شناور در متن</code>
<code>\invisible</code>	<code>\مخفی</code>
<code>\itdefault</code>	<code>\پیش فرض ای</code>
<code>\itshape</code>	<code>\شکل ایتالیک</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\item</code>	<code>\فقره</code>
<code>\itemindent</code>	<code>\تورفتگی فقره</code>
<code>\itemsep</code>	<code>\فاصله فقره</code>
<code>\iterate</code>	<code>\تکرار کن</code>
<code>\itshape</code>	<code>\شکل ای</code>
<code>\jobname</code>	<code>\نام کار</code>
<code>\jot</code>	<code>\قلب</code>
<code>\kern</code>	<code>\دوری</code>
<code>\kill</code>	<code>\الگو</code>
<code>\label</code>	<code>\برچسب</code>
<code>\labelenumi</code>	<code>\برچسب شمارش یک</code>
<code>\labelenumii</code>	<code>\برچسب شمارش دو</code>
<code>\labelenumiii</code>	<code>\برچسب شمارش سه</code>
<code>\labelenumiv</code>	<code>\برچسب شمارش چهار</code>
<code>\labelitemi</code>	<code>\برچسب فقره یک</code>
<code>\labelitemii</code>	<code>\برچسب فقره دو</code>
<code>\labelitemiii</code>	<code>\برچسب فقره سه</code>
<code>\labelitemiv</code>	<code>\برچسب فقره چهار</code>
<code>\labelsep</code>	<code>\فاصله از برچسب</code>
<code>\labelwidth</code>	<code>\پهنای برچسب</code>
<code>\language</code>	<code>\زبان</code>
<code>\large</code>	<code>\درشت</code>
<code>\Large</code>	<code>\درشت تر</code>
<code>\LARGE</code>	<code>\درشت درشت</code>
<code>\lastbox</code>	<code>\آخرین کادر</code>
<code>\lastkern</code>	<code>\آخرین دوری</code>
<code>\lastpenalty</code>	<code>\آخرین جریمه</code>
<code>\lastskip</code>	<code>\آخرین فاصله</code>
<code>\LaTeX</code>	<code>\لاتک</code>
<code>\LaTeXe</code>	<code>\لاتک ای</code>
<code>\lccode</code>	<code>\کد کوچک</code>
<code>\ldots</code>	<code>\نقاط خ</code>
<code>\leaders</code>	<code>\نشانگر</code>
<code>\leavevmode</code>	<code>\ترک و</code>
<code>\left</code>	<code>\چپ</code>
<code>\leftmargin</code>	<code>\حاشیه چپ</code>
<code>\leftmargini</code>	<code>\حاشیه چپ یک</code>
<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>
<code>\leftmark</code>	<code>\علامت چپ</code>
<code>\leftpageskip</code>	<code>\کادر تا چپ</code>
<code>\leftskip</code>	<code>\فاصله ابتدای سطر</code>
<code>\let</code>	<code>\بگذار</code>
<code>\line</code>	<code>\سطر</code>
<code>\linebreak</code>	<code>\سطر شکن</code>
<code>\linepenalty</code>	<code>\جریمه سطر</code>
<code>\lineskip</code>	<code>\فاصله سطرها</code>
<code>\lineskiplimit</code>	<code>\حد فاصله سطر</code>
<code>\linespread</code>	<code>\کشش فاصله سطر</code>
<code>\linethickness</code>	<code>\ضخامت خط</code>
<code>\linewidth</code>	<code>\پهنای سطر</code>
<code>\listfigurename</code>	<code>\عنوان فهرست اشکال</code>
<code>\listfiles</code>	<code>\لیست پرونده ها</code>
<code>\listoffigures</code>	<code>\فهرست اشکال</code>
<code>\listoftables</code>	<code>\فهرست جداول</code>
<code>\listparindent</code>	<code>\تورفتگی بند لیست</code>
<code>\listtablename</code>	<code>\عنوان فهرست جداول</code>
<code>\LoadClass</code>	<code>\بارکن طبقه</code>
<code>\LoadClassWithOptions</code>	<code>\بارکن طبقه با گزینه</code>
<code>\location</code>	<code>\مکان</code>
<code>\long</code>	<code>\بلند</code>
<code>\loop</code>	<code>\حلقه</code>
<code>\looseness</code>	<code>\گسیختگی</code>
<code>\lower</code>	<code>\انتقال بیابین</code>
<code>\@makeother</code>	<code>\@دیگر</code>
<code>\@m</code>	<code>\@زار</code>
<code>\@M</code>	<code>\ده@زار</code>
<code>\@Mi</code>	<code>\ده@زاریک</code>
<code>\@Mii</code>	<code>\ده@زار دو</code>
<code>\@Miii</code>	<code>\ده@زار سه</code>
<code>\@Miv</code>	<code>\ده@زار چهار</code>
<code>\@MM</code>	<code>\بیس@زار</code>
<code>\m@ne</code>	<code>\من@ا</code>
<code>\mag</code>	<code>\بزرگ نمایی</code>
<code>\magstep</code>	<code>\گام</code>
<code>\magstephalf</code>	<code>\نیم گام</code>
<code>\mainmatter</code>	<code>\مطلب اصلی</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\makeatletter</code>	<code>\ات حرف</code>
<code>\makeatother</code>	<code>\ات دیگر</code>
<code>\makebox</code>	<code>\کادر بی خط</code>
<code>\makeglossary</code>	<code>\ساخت فرهنگ</code>
<code>\makeindex</code>	<code>\تهیه نمایه</code>
<code>\makelabel</code>	<code>\ساخت برچسب</code>
<code>\makelabels</code>	<code>\ساخت برچسب ها</code>
<code>\MakeLowercase</code>	<code>\ساخت حروف کوچک</code>
<code>\maketitle</code>	<code>\عنوان ساز</code>
<code>\MakeUppercase</code>	<code>\ساخت حروف بزرگ</code>
<code>\marginpar</code>	<code>\در حاشیه</code>
<code>\marginparpush</code>	<code>\فاصله دو حاشیه</code>
<code>\marginparsep</code>	<code>\فاصله تا حاشیه</code>
<code>\marginparwidth</code>	<code>\پهنای حاشیه</code>
<code>\mark</code>	<code>\علامت</code>
<code>\markboth</code>	<code>\علامت در دو طرف</code>
<code>\markright</code>	<code>\علامت در راست</code>
<code>\mathaccent</code>	<code>\اعراب ریاضی</code>
<code>\mathchar</code>	<code>\نویسه ریاضی</code>
<code>\mathchardef</code>	<code>\تعریف نویسه ریاضی</code>
<code>\mathcode</code>	<code>\کد ریاضی</code>
<code>\mathrm</code>	<code>\ریاضی رومن</code>
<code>\maxdeadcycles</code>	<code>\حد اکثر تکرار</code>
<code>\maxdepth</code>	<code>\حد اکثر عمق صفحه</code>
<code>\maxdimen</code>	<code>\بعد بیشین</code>
<code>\mbox</code>	<code>\کادر بی</code>
<code>\mdseries</code>	<code>\شمایل نازک</code>
<code>\meaning</code>	<code>\معنا</code>
<code>\mediumseries</code>	<code>\نازک</code>
<code>\medmuskip</code>	<code>\فاصله متوسط ریاضی</code>
<code>\medskip</code>	<code>\پرش متوسط</code>
<code>\medskipamount</code>	<code>\مقدار پرش متوسط</code>
<code>\medspace</code>	<code>\فضای متوسط</code>
<code>\message</code>	<code>\پیام</code>
<code>\MessageBreak</code>	<code>\پیام شکن</code>
<code>\minrowclearance</code>	<code>\حد اقل فاصله ردیف</code>
<code>\mkern</code>	<code>\دوری ریاضی</code>
<code>\month</code>	<code>\ماه</code>
<code>\moveleft</code>	<code>\انتقال بچپ</code>
<code>\moveright</code>	<code>\انتقال بر راست</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\mskip</code>	<code>\فاصله ریاضی</code>
<code>\m@th</code>	<code>\ری@ضی</code>
<code>\multicolumn</code>	<code>\چندستونی</code>
<code>\multiply</code>	<code>\ضرب</code>
<code>\multispan</code>	<code>\چندادغام</code>
<code>\muskip</code>	<code>\میوفاصله</code>
<code>\muskipdef</code>	<code>\تعریف میوفاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربردنام</code>
<code>\@ne</code>	<code>\یک@</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبیعی</code>
<code>\nearrow</code>	<code>\باریک</code>
<code>\nearrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\شکلبندی مورد نیاز</code>
<code>\neg</code>	<code>\منفی</code>
<code>\negmedspace</code>	<code>\فضای متوسط منفی</code>
<code>\negthickspace</code>	<code>\فضای ضخیم منفی</code>
<code>\negthinspace</code>	<code>\دوری کوچک منفی</code>
<code>\newboolean</code>	<code>\بولی نو</code>
<code>\newbox</code>	<code>\کادر جدید</code>
<code>\newcommand</code>	<code>\فرمان نو</code>
<code>\newcount</code>	<code>\شمار جدید</code>
<code>\newcounter</code>	<code>\شمارنده جدید</code>
<code>\newdimen</code>	<code>\بعد جدید</code>
<code>\newenvironment</code>	<code>\محیط نو</code>
<code>\newfam</code>	<code>\خانواده جدید</code>
<code>\newfont</code>	<code>\قلم نو</code>
<code>\newhelp</code>	<code>\کمک جدید</code>
<code>\newif</code>	<code>\اگر جدید</code>
<code>\newinsert</code>	<code>\درج جدید</code>
<code>\newlabel</code>	<code>\برچسب جدید</code>
<code>\newlength</code>	<code>\تعریف بعد جدید</code>
<code>\newline</code>	<code>\سطر جدید</code>
<code>\newlinechar</code>	<code>\نویسه سطر جدید</code>
<code>\newmuskip</code>	<code>\میوفاصله جدید</code>
<code>\newpage</code>	<code>\صفحه جدید</code>
<code>\newread</code>	<code>\بخوان جدید</code>
<code>\newsavebox</code>	<code>\تعریف کادر جدید</code>
<code>\newskip</code>	<code>\فاصله جدید</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\newtheorem</code>	<code>\قضيه جديد</code>
<code>\newtoks</code>	<code>\جزء جديد</code>
<code>\newwrite</code>	<code>\بنويس جديد</code>
<code>\noalign</code>	<code>\بى ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>
<code>\nobreakspace</code>	<code>\فاصله نشکستی</code>
<code>\nocite</code>	<code>\بدون سند</code>
<code>\noexpand</code>	<code>\نگستر</code>
<code>\nofiles</code>	<code>\بدون پرونده</code>
<code>\noindent</code>	<code>\بدون تورفتگی</code>
<code>\nointerlineskip</code>	<code>\بى فاصله سطر</code>
<code>\nolimits</code>	<code>\بدون حد</code>
<code>\nolinebreak</code>	<code>\سطرنشکن</code>
<code>\nonstopmode</code>	<code>\پردازش بدون توقف</code>
<code>\nonfrenchspacing</code>	<code>\فواصل متعارف لاتین</code>
<code>\nonumber</code>	<code>\بدون شماره</code>
<code>\nopagebreak</code>	<code>\صفحه نشکن</code>
<code>\normalbaselines</code>	<code>\کرسیهای متعارف</code>
<code>\normalbaselineskip</code>	<code>\فاصله کرسی متعارف</code>
<code>\normalcolor</code>	<code>\رنگ عادى</code>
<code>\normalfont</code>	<code>\قلم عادى</code>
<code>\normallineskip</code>	<code>\فاصله سطر متعارف</code>
<code>\normallineskiplimit</code>	<code>\حد فاصله سطر متعارف</code>
<code>\normalmarginpar</code>	<code>\در حاشیه عادى</code>
<code>\normalsize</code>	<code>\اندازه عادى</code>
<code>\notag</code>	<code>\بدون اتیکت</code>
<code>\null</code>	<code>\نول</code>
<code>\nullfont</code>	<code>\قلم تهى</code>
<code>\number</code>	<code>\عدد</code>
<code>\numberline</code>	<code>\سطر عددی</code>
<code>\numberwithin</code>	<code>\شماره مطابق</code>
<code>\@evenfoot</code>	<code>\پایین صفحه زوج</code>
<code>\@evenhead</code>	<code>\بالای صفحه زوج</code>
<code>\@oddfoot</code>	<code>\پایین صفحه فرد</code>
<code>\@oddhead</code>	<code>\بالای صفحه فرد</code>
<code>\@outeqntrue</code>	<code>\شماره بیرون درست</code>
<code>\@outeqnfalse</code>	<code>\شماره بیرون نادرست</code>
<code>\obeylines</code>	<code>\سطر به سطر</code>
<code>\obeyspaces</code>	<code>\فضا فعال</code>
<code>\oddsidemargin</code>	<code>\حاشیه فرد</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\offinterlineskip</code>	<code>\سطوری فاصله</code>
<code>\omit</code>	<code>\حذف</code>
<code>\@onlypreamble</code>	<code>\@تنها در پیش در آمد</code>
<code>\onecolumn</code>	<code>\یک ستون</code>
<code>\onlynotes</code>	<code>\تنها یادداشت ها</code>
<code>\onlyslides</code>	<code>\تنها اسلایدها</code>
<code>\openin</code>	<code>\بازکن ورودی</code>
<code>\openout</code>	<code>\بازکن خروجی</code>
<code>\OptionNotUsed</code>	<code>\گزینه مصرف نشده</code>
<code>\or</code>	<code>\یا</code>
<code>\outer</code>	<code>\برونی</code>
<code>\output</code>	<code>\صفحه بندی</code>
<code>\outputpenalty</code>	<code>\جریمه صفحه بندی</code>
<code>\overfullrule</code>	<code>\علامت سرریز</code>
<code>\@preamblecmds</code>	<code>\@فرمان های پیش در آمد</code>
<code>\p@</code>	<code>\@پو</code>
<code>\PackageError</code>	<code>\خطای سبک</code>
<code>\PackageInfo</code>	<code>\اطلاع سبک</code>
<code>\PackageWarning</code>	<code>\هشدار سبک</code>
<code>\PackageWarningNoLine</code>	<code>\هشدار سبک بی سطر</code>
<code>\pagebreak</code>	<code>\صفحه شکن</code>
<code>\pagecolor</code>	<code>\رنگ صفحه</code>
<code>\pagedepth</code>	<code>\عمق صفحه</code>
<code>\pagefilllstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagefillstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagefilstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagegoal</code>	<code>\غایت صفحه</code>
<code>\pagename</code>	<code>\نام صفحه</code>
<code>\pagenumbering</code>	<code>\شماره گذاری صفحه</code>
<code>\pageref</code>	<code>\رجوع صفحه</code>
<code>\pagerulewidth</code>	<code>\ضخامت خط صفحه</code>
<code>\pageshrink</code>	<code>\فشرده گی صفحه</code>
<code>\pagestretch</code>	<code>\کشش صفحه</code>
<code>\pagestyle</code>	<code>\سبک صفحه</code>
<code>\pagetotal</code>	<code>\جمع صفحه</code>
<code>\paperheight</code>	<code>\بلندای کاغذ</code>
<code>\paperwidth</code>	<code>\پهنای کاغذ</code>
<code>\par</code>	<code>\بند</code>
<code>\paragraph</code>	<code>\پاراگراف</code>
<code>\parallel</code>	<code>\موازی</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\parbox</code>	<code>\کادرپار</code>
<code>\parfillskip</code>	<code>\فاصله ته بند</code>
<code>\parindent</code>	<code>\تورفتگی سر بند</code>
<code>\parsep</code>	<code>\فاصله بند لیست</code>
<code>\parshape</code>	<code>\شکل بند</code>
<code>\parskip</code>	<code>\فاصله بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان بخش</code>
<code>\partopsep</code>	<code>\فاصله بالای لیست بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال گزینه به کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال گزینه به پکیج</code>
<code>\path</code>	<code>\مسیر</code>
<code>\patterns</code>	<code>\الگوها</code>
<code>\pausing</code>	<code>\مکث</code>
<code>\penalty</code>	<code>\جریمه</code>
<code>\phantom</code>	<code>\غیب</code>
<code>\poptabs</code>	<code>\الگوی قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه پس نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت پیش نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه پیش نمایش</code>
<code>\preplaysize</code>	<code>\اندازه پیش نمایش</code>
<code>\pretolerance</code>	<code>\پیش حد بدنمایی</code>
<code>\prevdepth</code>	<code>\عمق قبلی</code>
<code>\prevgraf</code>	<code>\بند قبلی</code>
<code>\printindex</code>	<code>\نمایه در اینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش گزینه ها</code>
<code>\protect</code>	<code>\تأمین</code>
<code>\providecommand</code>	<code>\تهیه فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده سازی طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده سازی پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده سازی سبک</code>
<code>\pushtabs</code>	<code>\ثبت الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کو کواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی خروج صفحه</code>
<code>\radical</code>	<code>\رادی کال</code>
<code>\raggedbottom</code>	<code>\پایین بی تنظیم</code>
<code>\raggedleft</code>	<code>\تنظیم از راست</code>
<code>\raggedright</code>	<code>\تنظیم از چپ</code>
<code>\raise</code>	<code>\انتقال بیالا</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\raisebox</code>	<code>\بالابر</code>
<code>\raisetag</code>	<code>\ترفع اتيکت</code>
<code>\rangle</code>	<code>\زاويه ر</code>
<code>\rceil</code>	<code>\سقف ر</code>
<code>\read</code>	<code>\بخوان</code>
<code>\ref</code>	<code>\رجوع</code>
<code>\reflectbox</code>	<code>\کادر قرينه</code>
<code>\refname</code>	<code>\عنوان مراجع</code>
<code>\refstepcounter</code>	<code>\گام شمارنده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removelastskip</code>	<code>\رفع آخرين فاصله</code>
<code>\renewcommand</code>	<code>\فرمان از نو</code>
<code>\renewenvironment</code>	<code>\محيط از نو</code>
<code>\repeat</code>	<code>\از نو</code>
<code>\RequirePackage</code>	<code>\سبک مورد نیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک مورد نیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادر کشیده</code>
<code>\reversemarginpar</code>	<code>\در حاشیه معکوس</code>
<code>\rfloor</code>	<code>\کف ر</code>
<code>\right</code>	<code>\راست</code>
<code>\rightmargin</code>	<code>\حاشیه راست</code>
<code>\rightmark</code>	<code>\علامت راست</code>
<code>\rightpageskip</code>	<code>\کادر تا راست</code>
<code>\rightskip</code>	<code>\فاصله انتهای سطر</code>
<code>\rmdefault</code>	<code>\رومن عادی</code>
<code>\rmfamily</code>	<code>\فامیل رومن</code>
<code>\Roman</code>	<code>\رومن بزرگ</code>
<code>\roman</code>	<code>\رومن کوچک</code>
<code>\romannumeral</code>	<code>\عدد رومی</code>
<code>\rotatebox</code>	<code>\کادر چرخان</code>
<code>\rowcolor</code>	<code>\رنگ ردیف</code>
<code>\rule</code>	<code>\خط</code>
<code>\@secondoftwo</code>	<code>\@دومی ازدو</code>
<code>\@spaces</code>	<code>\@فضاها</code>
<code>\samepage</code>	<code>\همین صفحه</code>
<code>\savebox</code>	<code>\مقدار کادر</code>
<code>\sbox</code>	<code>\مقکادر</code>
<code>\scalebox</code>	<code>\کادر اندازه</code>
<code>\scdefault</code>	<code>\پیش فرض تمام بزرگ</code>
<code>\scshape</code>	<code>\شکل تمام بزرگ</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\scriptfont</code>	<code>\قلم توان</code>
<code>\scriptscriptfont</code>	<code>\قلم توان توان</code>
<code>\scriptscriptstyle</code>	<code>\سبک ته نوشت ته نوشت</code>
<code>\scriptsize</code>	<code>\اندازه پانویس</code>
<code>\scripstyle</code>	<code>\سبک ته نوشت</code>
<code>\scrollmode</code>	<code>\پردازش گذری</code>
<code>\section</code>	<code>\قسمت</code>
<code>\secdef</code>	<code>\تعریف قسمت</code>
<code>\see</code>	<code>\ببینید</code>
<code>\seealso</code>	<code>\نیز ببینید</code>
<code>\seename</code>	<code>\نام ببینید</code>
<code>\selectfont</code>	<code>\قلم بردار</code>
<code>\setboolean</code>	<code>\تنظیم بولی</code>
<code>\setbox</code>	<code>\درکادر</code>
<code>\setcounter</code>	<code>\مقدار شمارنده</code>
<code>\setkeys</code>	<code>\مقدار کلیدها</code>
<code>\setlength</code>	<code>\مقدار بعد</code>
<code>\setminus</code>	<code>\تنظیم منها</code>
<code>\SetSymbolFont</code>	<code>\تعریف قلم علائم</code>
<code>\settodepth</code>	<code>\تنظیم به عمق</code>
<code>\settoheight</code>	<code>\تنظیم به ارتفاع</code>
<code>\settowidth</code>	<code>\مقدار بعد به اندازه</code>
<code>\sfcode</code>	<code>\کد ضریب فاصله</code>
<code>\sfdefault</code>	<code>\پیش فرض س ف</code>
<code>\sffamily</code>	<code>\فامیل سن سریف</code>
<code>\shadowbox</code>	<code>\کادر سایه دار</code>
<code>\sharp</code>	<code>\تیز</code>
<code>\shipout</code>	<code>\بفرست</code>
<code>\shortstack</code>	<code>\پشته کوتاه</code>
<code>\show</code>	<code>\نمایش بده</code>
<code>\showbox</code>	<code>\نمایش بده کادر</code>
<code>\showboxbreadth</code>	<code>\میزان نمایش کادر</code>
<code>\showboxdepth</code>	<code>\عمق نمایش کادر</code>
<code>\showlists</code>	<code>\نمایش بده لیستها</code>
<code>\showthe</code>	<code>\نمایش بده محتوای</code>
<code>\simplefontmode</code>	<code>\حالت ساده قلم</code>
<code>\sist@n</code>	<code>\شانزد@</code>
<code>\skewchar</code>	<code>\نویسه اریب</code>
<code>\skip</code>	<code>\فاصله</code>
<code>\skip@</code>	<code>\فاصل@</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\skipdef</code>	<code>\تعریف فاصله</code>
<code>\sl</code>	<code>\خوابیده</code>
<code>\sldefault</code>	<code>\پیش فرض خو</code>
<code>\slshape</code>	<code>\شکل خوابیده</code>
<code>\sloppy</code>	<code>\راحت چین</code>
<code>\slshape</code>	<code>\شمايل خو</code>
<code>\small</code>	<code>\کو چک</code>
<code>\smallskip</code>	<code>\پرش کوتاه</code>
<code>\smallskipamount</code>	<code>\مقدار پرش کوتاه</code>
<code>\smash</code>	<code>\کوب</code>
<code>\smile</code>	<code>\لبخند</code>
<code>\snglfontlocatcode</code>	<code>\کدامکان همانطور</code>
<code>\space</code>	<code>\فضا</code>
<code>\spacefactor</code>	<code>\ضریب فاصله</code>
<code>\spaceskip</code>	<code>\فاصله کلمات</code>
<code>\spadesuit</code>	<code>\پیک</code>
<code>\span</code>	<code>\ادغام</code>
<code>\special</code>	<code>\ویژه</code>
<code>\splitmaxdepth</code>	<code>\حداکثر عمق ستون</code>
<code>\splittopskip</code>	<code>\فاصله بالای ستون</code>
<code>\star</code>	<code>\ستاره</code>
<code>\stepcounter</code>	<code>\گام شمارنده</code>
<code>\stretch</code>	<code>\کشی</code>
<code>\string</code>	<code>\رشته</code>
<code>\strut</code>	<code>\شمع</code>
<code>\strutbox</code>	<code>\کادر شمع</code>
<code>\subitem</code>	<code>\زیر بند</code>
<code>\subparagraph</code>	<code>\زیر پاراگراف</code>
<code>\subsection</code>	<code>\زیر قسمت</code>
<code>\substack</code>	<code>\زیر پشته</code>
<code>\subsubitem</code>	<code>\زیر زیر بند</code>
<code>\subsubsection</code>	<code>\زیر زیر قسمت</code>
<code>\subset</code>	<code>\زیر مجموعه</code>
<code>\subseteq</code>	<code>\زیر مجموعه مسا</code>
<code>\supereject</code>	<code>\منتهای صفحه</code>
<code>\suppressfloats</code>	<code>\حذف مکان شناور</code>
<code>\@tempa</code>	<code>\@موقت آ</code>
<code>\@tempb</code>	<code>\@موقت ب</code>
<code>\@tempc</code>	<code>\@موقت پ</code>
<code>\@tempd</code>	<code>\@موقت ت</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\@tempe	\@موقت
\@tempboxa	\@کادرقت آ
\@tempcnta	\@شماقت آ
\@tempcntb	\@شماقت ب
\@tempdima	\@بعدقت آ
\@tempdimb	\@بعدقت ب
\@tempdimc	\@بعدقت پ
\@tempskipa	\@فاقت آ
\@tempskipb	\@فاقت ب
\@tempswafalse	\@سواقت آنادرست
\@tempswatrue	\@سواقت آدرست
\@temptokena	\@جزقت آ
\@thefnmark	\انگ زیرنویس
\@thirdofthree	\@سومی ازسه
\tabbingsep	\فاصله جاگذاری
\tabcolsep	\فاصله بین ستونها
\tableofcontents	\فهرست مطالب
\tablename	\عنوان جدول
\tabskip	\فاصله ستونها
\tabularnewline	\ته سطر جدول
\tag	\اتیکت
\telephone	\تلفن
\TeX	\تک
\text	\متن
\textbullet	\گلوله متنی
\textfont	\قلم متن
\textendash	\ام دش متنی
\textendash	\ان دش متنی
\textexclamdown	\تعجب وارونه متنی
\textperiodcentered	\نقطه وسط متنی
\textquestiondown	\سوال وارونه متنی
\textquotedblleft	\نقل چپ متنی دولا
\textquotedblright	\نقل راست متنی دولا
\textquoteleft	\نقل متنی چپ
\textquoteright	\نقل متنی راست
\textvisiblespace	\فضای نمایان متنی
\textbackslash	\شکافت پشت متنی
\textbar	\میله متنی
\textgreater	\بزرگ ترمتنی
\textless	\کمترمتنی

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\textbf</code>	<code>\متن سیاه</code>
<code>\textcircled</code>	<code>\مدورمتنی</code>
<code>\textcolor</code>	<code>\رنگ متن</code>
<code>\textcompwordmark</code>	<code>\نشان کلمه مرکب متن</code>
<code>\textfloatsep</code>	<code>\فاصله متن و شناور</code>
<code>\textfraction</code>	<code>\نسبت متن</code>
<code>\textheight</code>	<code>\بلندای متن</code>
<code>\textindent</code>	<code>\متن نورفته</code>
<code>\textit</code>	<code>\متن ایتالیک</code>
<code>\textmd</code>	<code>\متن نازک</code>
<code>\textnormal</code>	<code>\متن نرمال</code>
<code>\textregistered</code>	<code>\ثبتي متني</code>
<code>\textrm</code>	<code>\متن رومن</code>
<code>\textsc</code>	<code>\متن تمام بزرگ</code>
<code>\textsf</code>	<code>\متن سن سریف</code>
<code>\textsl</code>	<code>\متن خوابیده</code>
<code>\textstyle</code>	<code>\سبك متني</code>
<code>\textsuperscript</code>	<code>\بالا نویسی متنی</code>
<code>\texttrademark</code>	<code>\علامت تجاری متنی</code>
<code>\texttt</code>	<code>\متن تایپ</code>
<code>\textup</code>	<code>\متن ایستاده</code>
<code>\textwidth</code>	<code>\پهنای متن</code>
<code>\thanks</code>	<code>\زیرنویس عنوان</code>
<code>\the</code>	<code>\محتوای</code>
<code>\thempfn</code>	<code>\این زیرنویس</code>
<code>\thicklines</code>	<code>\خط ها ضخیم</code>
<code>\thickmuskip</code>	<code>\فاصله زیاد ریاضی</code>
<code>\thinmuskip</code>	<code>\فاصله کم ریاضی</code>
<code>\thickspace</code>	<code>\فضا ضخیم</code>
<code>\thinlines</code>	<code>\خط ها نازک</code>
<code>\thinspace</code>	<code>\دوری کوچک</code>
<code>\thisfancy page</code>	<code>\این صفحه تجملی</code>
<code>\thispage style</code>	<code>\سبك این صفحه</code>
<code>\thr@@</code>	<code>\سه @</code>
<code>\tilde</code>	<code>\مد</code>
<code>\tiny</code>	<code>\ظریف</code>
<code>\time</code>	<code>\زمان</code>
<code>\times</code>	<code>\ضرب در</code>
<code>\title</code>	<code>\عنوان</code>
<code>\to</code>	<code>\به</code>

*Continued on next page*

Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\today</code>	<code>\امروز</code>
<code>\toks</code>	<code>\جزء</code>
<code>\toksdef</code>	<code>\تعریف جزء</code>
<code>\tolerance</code>	<code>\حدبدنمایی</code>
<code>\top</code>	<code>\بالا</code>
<code>\topfigrule</code>	<code>\خط بالای شناور</code>
<code>\topfraction</code>	<code>\نسبت بالا</code>
<code>\topmargin</code>	<code>\حاشیه بالا</code>
<code>\topmark</code>	<code>\علامت بالا</code>
<code>\toppageskip</code>	<code>\کادر تا بالا</code>
<code>\topsep</code>	<code>\فاصله بالای لیست</code>
<code>\topskip</code>	<code>\فاصله بالا</code>
<code>\totalheight</code>	<code>\بلندای کل</code>
<code>\tracingall</code>	<code>\ردگیری کل</code>
<code>\tracingcommands</code>	<code>\ردگیری فرامین</code>
<code>\tracinglostchars</code>	<code>\ردگیری حروف</code>
<code>\tracingmacros</code>	<code>\ردگیری ماکروها</code>
<code>\tracingonline</code>	<code>\ردگیری نمایشی</code>
<code>\tracingoutput</code>	<code>\ردگیری صفحه بندی</code>
<code>\tracingpages</code>	<code>\ردگیری صفحات</code>
<code>\tracingparagraphs</code>	<code>\ردگیری بندها</code>
<code>\tracingrestores</code>	<code>\ردگیری بازگردانی</code>
<code>\tracingstats</code>	<code>\ردگیری آمارها</code>
<code>\triangle</code>	<code>\مثلث</code>
<code>\ttdefault</code>	<code>\پیش فرض تایپ</code>
<code>\ttfamily</code>	<code>\فامیل تایپ</code>
<code>\tw@</code>	<code>\دو@</code>
<code>\twocolumn</code>	<code>\دو ستون</code>
<code>\typein</code>	<code>\درنویس</code>
<code>\typeout</code>	<code>\برنویس</code>
<code>\uccode</code>	<code>\کد بزرگ</code>
<code>\uchyph</code>	<code>\تیره بندی بزرگ</code>
<code>\undefined</code>	<code>\تعریف نشده</code>
<code>\underline</code>	<code>\زیر خط</code>
<code>\unhbox</code>	<code>\بی کادرا</code>
<code>\unhcopy</code>	<code>\بی کپی</code>
<code>\unitlength</code>	<code>\واحد طول</code>
<code>\unkern</code>	<code>\برگشت دوری</code>
<code>\unpenalty</code>	<code>\برگشت جریمه</code>
<code>\unskip</code>	<code>\برگشت فاصله</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\unvbox</code>	<code>\بی کادرو</code>
<code>\unvcopy</code>	<code>\بی کپی و</code>
<code>\updefault</code>	<code>\پیش فرض ایستاده</code>
<code>\upshape</code>	<code>\شکل ایستاده</code>
<code>\usebox</code>	<code>\از کادر</code>
<code>\usecounter</code>	<code>\باشمارشگر</code>
<code>\usefont</code>	<code>\گزینش قلم</code>
<code>\usepackage</code>	<code>\سبک لازم</code>
<code>\@vobeyspaces</code>	<code>\@فضاهای فعال</code>
<code>\@void</code>	<code>\@تهی</code>
<code>\vadjust</code>	<code>\تنظیم و</code>
<code>\valign</code>	<code>\ردیف و</code>
<code>\value</code>	<code>\محتوای شمارنده</code>
<code>\vbadness</code>	<code>\بدنمایی و</code>
<code>\vbox</code>	<code>\کادرو</code>
<code>\vcenter</code>	<code>\کادرو وسط</code>
<code>\verb</code>	<code>\همانطور</code>
<code>\vfil</code>	<code>\پرو</code>
<code>\vfill</code>	<code>\پررو</code>
<code>\vfilneg</code>	<code>\رفع پرو</code>
<code>\vfuzz</code>	<code>\پر زعمودی</code>
<code>\visible</code>	<code>\نمایان</code>
<code>\vline</code>	<code>\خط عمود</code>
<code>\voffset</code>	<code>\حاشیه و</code>
<code>\voidb@x</code>	<code>\ک@در تهی</code>
<code>\vpageref</code>	<code>\ارجاع صفحه ع</code>
<code>\vrbboxsep</code>	<code>\فاصله وگرد</code>
<code>\vref</code>	<code>\ارجاع ع</code>
<code>\vrule</code>	<code>\خط و</code>
<code>\vsize</code>	<code>\طول صفحه</code>
<code>\vskip</code>	<code>\فاصله و</code>
<code>\vspace</code>	<code>\فضای و</code>
<code>\vsplit</code>	<code>\شکست و</code>
<code>\vss</code>	<code>\هر دو و</code>
<code>\vtop</code>	<code>\کادر گود</code>
<code>\wd</code>	<code>\عرض</code>
<code>\whiledo</code>	<code>\مادام بکن</code>
<code>\widehat</code>	<code>\کلاه پهن</code>
<code>\widetilde</code>	<code>\مد پهن</code>
<code>\widowpenalty</code>	<code>\جریمه ته بند</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\width	\پهنا
\wlog	\درکارنامه
\write	\بنویس
\@xobeysp	\@فضای لاتین
\@xxxii	\سی@دو
\xdef	\ترگع
\xleaders	\نشانگر گسترشی
\xspaceskip	\فاصله اضافی کلمات
\year	\سال
\z@	\فر@
\z@skip	\فرفاصله

Table 2: The Equivalent XePersian Commands

Command in XePersian	Equivalent Persian Command
\autofootnoterule	\خط زیرنویس خودکار
\AutoMathsDigits	\اعداد فرمولها خودکار
\DefaultMathsDigits	\اعداد فرمولها لاتین
\deflatinfont	\تعریف قلم لاتین
\defpersianfont	\تعریف قلم پارسی
\hboxL	\کادر اچپ
\hboxR	\کادر راست
\keyval@eq@alias@key	\معادل@کلید
\Latincite	\مرجع لاتین
\latinfont	\قلم لاتین
\latintoday	\امروز لاتین
\leftfootnoterule	\خط زیرنویس چپ
\lr	\متن لاتین
\LRE	\چپ براست
\LTRdblcol	\دو ستونی چپ
\LTRfootnote	\پانویس
\LTRfootnotetext	\متن پانویس
\LTRthanks	\پانویس عنوان
\persianday	\روز پارسی
\persianfont	\قلم پارسی
\PersianMathsDigits	\اعداد فرمولها پارسی
\persianmonth	\ماه پارسی
\persianyear	\سال پارسی
\plq	\علامت چپ نقل قول پارسی
\prq	\علامت راست نقل قول پارسی

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Command in XePersian	Equivalent Persian Command
<code>\rightfootnoterule</code>	\خط زیرنویس راست
<code>\rl</code>	\متن پارسی
<code>\RLE</code>	\راست بچپ
<code>\RTLdblcol</code>	\دوستونی راست
<code>\RTLfootnote</code>	\پانوش
<code>\RTLfootnotetext</code>	\متن پانوش
<code>\RTLthanks</code>	\پانوش عنوان
<code>\@SepMark</code>	\@علامت بین
<code>\SepMark</code>	\علامت بین
<code>\setdefaultbibitems</code>	\بگذار مرجوعات عادی
<code>\setdefaultmarginpar</code>	\بگذار در حاشیه عادی
<code>\setdigitfont</code>	\گزینش قلم اعداد فرمولها
<code>\setfootnoteLR</code>	\بگذار زیرنویس چپ
<code>\setfootnoteRL</code>	\بگذار زیرنویس راست
<code>\setlatintextfont</code>	\گزینش قلم لاتین متن
<code>\setLTR</code>	\بگذار متن چپ
<code>\setLTRbibitems</code>	\بگذار مرجوعات چپ
<code>\setLTRmarginpar</code>	\بگذار در حاشیه چپ
<code>\setRTL</code>	\بگذار متن راست
<code>\setRTLbibitems</code>	\بگذار مرجوعات راست
<code>\setRTLmarginpar</code>	\بگذار در حاشیه راست
<code>\settextfont</code>	\گزینش قلم متن
<code>\textwidthfootnoterule</code>	\خط زیرنویس پهنای متن
<code>\twocolumnstableofcontents</code>	\فهرست مطالب دوستونی
<code>\unsetfootnoteRL</code>	\نگذار زیرنویس راست
<code>\unsetLTR</code>	\نگذار متن چپ
<code>\unsetRTL</code>	\نگذار متن راست
<code>\vboxL</code>	\کادر واز چپ
<code>\vboxR</code>	\کادر واز راست
<code>\XeLaTeX</code>	\زی لاتک
<code>\XePersian</code>	\زی پرشین
<code>\xepersianversion</code>	\گونه زی پرشین
<code>\xepersiandate</code>	\تاریخ گونه زی پرشین
<code>\XeTeX</code>	\زی تک

Table 3: The Equivalent L<sup>A</sup>T<sub>E</sub>X Environments

Environment in L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Environment
<code>abstract</code>	چکیده
<code>appendix</code>	پیوست
<code>array</code>	آرایه
<code>center</code>	وسط چین

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Environment in L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Environment
description	توضیح
displaymath	ریاضی نمایی
document	نوشتار
enumerate	شمارش
figure	شکل
figure*	شکل*
filecontents	محتوای پرونده
filecontents*	محتوای پرونده*
flushleft	چپ چین
flushright	راست چین
itemize	فقرات
letter	نامه
list	لیست
longtable	جدول دراز
lrbox	کادر چ
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چند ستونی ها
multline	چند خطی
note	یادداشت
overlay	انباشتن
picture	تصویر
quotation	اقتباس
quote	نقل
slide	اسلاید
sloppypar	پارنا مرتب
split	شکافتن
subarray	زیر آرایه
tabbing	جاگذاری
table	لوح
table*	لوح*
tabular	جدول
tabular*	جدول*
thebibliography	مراجع
theindex	محتوای نمایه
titlepage	صفحه عنوان
trivlist	لیست بدوی
verbatim	همانطور که هست
verbatim*	همانطور که هست*

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Environment in L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Environment
verse	شعر

Table 4: The Equivalent XePersian Environments

Environment in XePersian	Equivalent Persian Environment
latin	لاتین
LTR	متن چپ
LTRitems	دسته بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته بندی راست

**Localisation of position arguments.** Some environments like `tabular` and some commands like `\parbox` have an argument which specifies the position. Table [Table 5](#) shows their localisations.

Table 5: The Equivalent L<sup>A</sup>T<sub>E</sub>X position arguments

Position argument in L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian position argument
b	ز
c	و
C	س
h	ا
H	آ
J	ت
l	چ
L	ف
m	م
p	پ
P	ص
r	ر
R	ا
s	ک
t	ب

☞ There are two ps in [Table 5](#), first p and its Persian equivalent پ stand for paragraph (used in `tabular` and similar environments) and the second p and its Persian equivalent ص stand for page (used in `float`-like environments).

#### 2.4.7 Localizations of the keys and key values of `graphicx` package

The equivalent Persian keys and key values of `graphicx` package is shown in [Table 6](#) and [Table 7](#) respectively.

Table 6: Persian Equivalent keys of `graphicx` package

Original Key	Equivalent Persian Key
draft	پیش نویس
origin	مبدأ
clip	بی اضافه
keepaspectratio	حفظ تناسب
natwidth	پهنای طبیعی
natheight	بلندای طبیعی
bb	مختصات
viewport	محدوده نمایش
trim	حذف اطراف
angle	زاویه
width	پهنا
height	بلندا
totalheight	بلندای کل
scale	ضریب
type	نوع
ext	پسوند
read	خواندنی
command	فرمان
x	طول
y	عرض
units	واحد

Table 7: Persian Equivalent key values of `graphicx` package

Original Key value	Equivalent Persian Key value
b	ز
B	ک
false	نادرست
l	چ
r	ر
t	ب
true	درست

#### 2.4.8 Localizations of font features and font feature options

The equivalent Persian font features and font feature options is shown in [Table 8](#) and [Table 9](#) respectively.

Table 8: Persian Equivalent font features

Original font feature	Equivalent Persian font feature
ExternalLocation	مکان خارجی
ExternalLocation	مسیر
Renderer	تحویل دهنده
BoldFont	قلم سیاه

*Continued on next page*

Original font feature	Equivalent Persian font feature
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک
BoldItalicFont	قلم ایتالیک سیاه
SlantedFont	قلم خوابیده
BoldSlantedFont	قلم خوابیده سیاه
SmallCapsFont	قلم کلاه کوچک
UprightFeatures	ویژگی های قلم عمودی
BoldFeatures	ویژگی های قلم سیاه
ItalicFeatures	ویژگی های قلم ایتالیک
BoldItalicFeatures	ویژگی های قلم ایتالیک سیاه
SlantedFeatures	ویژگی های قلم خوابیده
BoldSlantedFeatures	ویژگی های قلم خوابیده سیاه
SmallCapsFeatures	ویژگی های قلم کلاه کوچک
SizeFeatures	ویژگی های اندازه
Scale	ضریب
WordSpace	فضای کلمه
PunctuationSpace	فضای نقطه گذاری
FontAdjustment	تنظیم قلم
LetterSpace	فضای حرف
HyphenChar	نویسه تیره
Color	رنگ
Opacity	کدری
Mapping	نگاشت
Weight	سنگینی
Width	پهنا
OpticalSize	اندازه چشمی
FakeSlant	خوابیده تقلبی
FakeStretch	کشش تقلبی
FakeBold	سیاه تقلبی
AutoFakeSlant	خوابیده تقلبی خودکار
AutoFakeBold	سیاه تقلبی خودکار
Ligatures	دو یا چند حرف متصل به هم
Alternate	متناوب
Variant	گوناگون
Variant	مجموعه سبکی
CharacterVariant	گوناگونی نویسه
Style	سبک
Annotation	یادداشت

*Continued on next page*

Original font feature	Equivalent Persian font feature
RawFeature	ویژگی‌های کال
CharacterWidth	پهنای نویسه
Numbers	ارقام
Contextuals	متنی
Diacritics	تفکیک‌کننده‌ها
Letters	حروف
Kerning	دوری
VerticalPosition	موقعیت عمودی
Fractions	کسر

Table 9: Persian Equivalent font feature options

font feature	font feature option	Persian font feature option
Language	Default	پیش فرض
Language	Parsi	پارسی
Script	Parsi	پارسی
Script	Latin	لاتین
Style	MathScript	اسکرپیت ریاضی
Style	MathScriptScript	اسکرپیت اسکرپیت ریاضی

## 2.5 A Sample Input T<sub>E</sub>X File

```

1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \title{یک سند نمونه}
5 \author{نام نویسنده}
6 \begin{document}
7 \maketitle
8 \tableofcontents
9 \part{عنوان بخش}
10 ...
11 \section{عنوان قسمت}
12 ...
13 \subsection{عنوان زیرقسمت}
14 ...
15 \subsubsection{عنوان زیر زیرقسمت}
16 ...
17 \end{document}

```

## 2.6 Font Commands

### 2.6.1 Basic Font Commands

```
\settextfont [Options] {\font name}  
\setlatintextfont [Options] {\font name}  
\setdigitfont [Options] {\font name}  
\setmathsfdigitfont [Options] {\font name}  
\setmathttdigitfont [Options] {\font name}
```

- ☞ Options in any font command in this documentation are anything that `fontspec` package provides as the option of loading fonts, except `Script` and `Mapping`.
- ☞ `\settextfont` will choose the default font for Persian texts of your document.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default `TeX` font (fonts used in this documentation) will be used for Latin texts of your document.
- ☞ `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.
- ☞ `\setmathsfdigitfont` will choose the Persian font for digits in math mode inside `\mathsf`. By using this command, digits in math mode inside `\mathsf` will appear in Persian form and if you do not use this command at all, you will get default `TeX` font for digits in math mode inside `\mathsf` and digits appear in their original form (Western).
- ☞ `\setmathttdigitfont` will choose the Persian font for digits in math mode inside `\mathtt`. By using this command, digits in math mode inside `\mathtt` will appear in Persian form and if you do not use this command at all, you will get default `TeX` font for digits in math mode inside `\mathtt` and digits appear in their original form (Western).

### 2.6.2 Defining Extra Persian and Latin Fonts

```
\defpersianfont\CS [Options] {\font name}  
\deflatinfont\CS [Options] {\font name}
```

- ☞ With `\defpersianfont`, you can define extra Persian fonts.

```
\defpersianfont\Nastaliq[Scale=1]{IranNastaliq}
```

In this example, we define `\Nastaliq` to stand for `IranNastaliq` font.

☞ With `\deflatinfont`, you can define extra Latin fonts.

```
\deflatinfont\junicode[Scale=1]{Junicode}
```

In this example, we define `\junicode` to stand for Junicode font.



### 2.6.3 Choosing Persian Sans Font

```
\setpersiansansfont [Options] {\font name}  
\persiansffamily \textpersiansf{\text}
```

### 2.6.4 Choosing Persian Mono Font

```
\setpersianmonofont [Options] {\font name}  
\persianttfamily \textpersiantt{\text}
```

### 2.6.5 Choosing Persian Iranic Font

```
\setiraniconfont [Options] {\font name}  
\iraniconfamily \textiranicon{\text}
```

### 2.6.6 Choosing Persian Navar Font

```
\setnavarfont [Options] {\font name}  
\navarfamily \textnavar{\text}
```

### 2.6.7 Choosing Persian Pook Font

```
\setpookfont [Options] {\font name}  
\pookfamily \textpook{\text}
```

### 2.6.8 Choosing Persian Sayeh Font

```
\setsayehfont [Options] {\font name}  
\sayehfamily \textsayeh{\text}
```

### 2.6.9 Choosing Latin Sans Font

```
\setlatinsansfont [Options] {\font name}  
\sffamily \textsf{\text}
```

### 2.6.10 Choosing Latin Mono Font

```
\setlatinmonofont [Options] {\font name}  
\ttfamily \texttt{\text}
```

## 3 Latin and Persian Environment

```
\begin{latin} \text \end{latin}  
\begin{persian} \text \end{persian}
```

☞ `latin` environment both changes direction of the paragraphs to LTR and font to Latin font.

- ☞ `\persian` environment both changes direction of the Paragraphs to RTL and font to Persian font.

### 3.1 `latinitems` and `parsiitems` environments

```
\begin{latinitems}  
  \item <text>  
  ...  
\end{latinitems}
```

- ☞ `latinitems` environment is similar to `LTRitems` environment but changes the font to Latin font.

```
\begin{parsiitems}  
  \item <text>  
  ...  
\end{parsiitems}
```

- ☞ `parsiitems` environment is similar to `RTLitems` environment but changes the font to Persian font.

### 3.2 Short Latin and Persian Texts

```
\lr{<text>} \rl{<text>}
```

- ☞ With `\lr` command, you can typeset short LTR texts.
- ☞ With `\rl` command, you can typeset short RTL texts.

### 3.3 Miscellaneous Commands

```
\persianyear \persianmonth \persianday  
\today \latintoday \twocolumnstableofcontents \XePersian  
\plq \prq
```

- ☞ `\persianyear` is Persian equivalent of `\year`.
- ☞ `\persianmonth` is Persian equivalent of `\month`.
- ☞ `\persianday` is Persian equivalent of `\day`.
- ☞ `\today` typesets current Persian date and `\latintoday` typesets current Latin date.
- ☞ `\twocolumnstableofcontents` typesets table of contents in two columns. This requires that you have loaded `multicol` package before `XePersian` package, otherwise an error will be issued.

☞ `\XePersian` typesets XePersian’s logo.

☞ `\plq` and `\prq` typeset Persian left quote and Persian right quote respectively.

### 3.4 New Commands

`\Latincite`

☞ `\Latincite` functions exactly like `\cite` command with only one difference; the reference to biblabel item is printed in Latin font in the text.

### 3.5 Additional Counters

XePersian defines several additional counters to what already L<sup>A</sup>T<sub>E</sub>X offers. These counters are `harfi`, `adadi`, and `tartibi`. In addition, the following commands are also provided:

`\harfinumeral{⟨integer⟩}`   `\adadinumeral{⟨integer⟩}`   `\tartibinumeral{⟨integer⟩}`

☞ The range of `harfi` counter is integers between 1 and 32 (number of the Persian alphabets) and `adadi` and `tartibi` counters, are integers between 0 and 999,999,999.

☞ For `harfi` counter, if you give an integer bigger than 32 or a negative integer (if you give integer 0, it returns nothing), then you get error and for `adadi` and `tartibi` counters, if you give an integer bigger than 999,999,999, then you get an error message.

☞ For `adadi` and `tartibi` counters, if you give an integer less than 0 (a negative integer), then `adadi` and `tartibi` counters return `adadi` and `tartibi` form of the integer 0, respectively.

☞ `\harfinumeral` returns the `harfi` form of  $\langle integer \rangle$ , where  $1 \leq integer \leq 32$  and `\adadinumeral`, and `\tartibinumeral` return `adadi`, and `tartibi` form of  $\langle integer \rangle$  respectively, where  $0 \leq integer \leq 999,999,999$ .

### 3.6 Things To Know About `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`

`\DefaultMathsDigits`   `\PersianMathsDigits`   `\AutoMathsDigits`

☞ As we discussed before, `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.

☞ As we discussed before, `\setmathsfdigitfont`, and `\setmathttdigitfont` will choose the Persian sans serif and typewriter fonts for digits in math mode. By using this command, digits in math mode will appear in Persian form and if you do not use this command at all, you will get default  $\TeX$  font for digits in math mode and digits appear in their original form (Western). If you use `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`, then you should know that:

- ☞ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get  $\TeX$ 's default font and digits in math mode.
- ☞ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.
- ☞ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get  $\TeX$ 's default font and digits in math mode.

## 4 New Conditionals

### 4.1 Shell escape (or write18) conditional

```
\ifwritexviii
  {material when Shell escape (or write18) is enabled}
\else
  {material when Shell escape (or write18) is not enabled}
\fi
```

## 5 Bilingual Captions

XePersian sets caption bilingually. This means if you are in RTL mode, you get Persian caption and if you are in LTR mode, you get English caption.

### 5.1 Support For Various Packages

In addition to what `bidir` package supports, XePersian also support a few packages. This support is more about language aspect rather than directionality. These packages are `algorithmic`, `algorithm`, `enumerate`, and `backref` packages.

#### 5.1.1 Things You Should Know about Support For `enumerate` Package

The `enumerate` package gives the `enumerate` environment an optional argument which determines the style in which the counter is printed.

An occurrence of one of the tokens `A`, `a`, `I`, `i`, or `1` produces the value of the counter printed with (respectively) `\Alph`, `\alph`, `\Roman`, `\roman` or `\arabic`.

In addition with the extra support that XePersian provides, an occurrence of one of the tokens `ل`, `ی`, or `ت` produces the value of the counter printed with (respectively) `\harfi`, `\adadi`, or `\tartibi`.

These letters may be surrounded by any strings involving any other `TeX` expressions, however the tokens `A`, `a`, `I`, `i`, `1`, `ل`, `ی`, `ت` must be inside a `{}` group if they are not to be taken as special.

To see an Example, please look at `enumerate` package documentation.

## 5.2 Index Generation

For generating index, you are advised to use `xindy` program, any other program such as `makeindex` is not recommended.

## 5.3 Converting Your FarsiTeX Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiTeX files to XePersian or unicode. This program can be found in `doc` folder with the name `ftxe-0.12.py`. To convert your FarsiTeX files to XePersian, put `ftxe-0.12.py` in the same directory that your FarsiTeX file is, and then open a terminal/command prompt and do the following:

```
python ftxe-0.12.py file.ftx file.tex
```

This will convert your `file.ftx` (FarsiTeX file) to `file.tex` (XePersian file).

The general syntax of using the python script is as follow:

```
python ftxe-0.12.py [-r] [-s] [-x] [-u] input-filename1 input-filename2
```

Where

**-r** (DEFAULT) recursively consider files included in the given files

**-s** do not recursively consider files

**-x** (DEFAULT) insert XePersian related commands

**-u** only convert to unicode (and not to XePersian)

Please note that the python script will not work with versions of python later than 2.6. So you are encouraged to use version 2.6 of python to benefit from this python script.

## 6 Extra Packages And Classes

### 6.1 Magazine Typesetting

#### 6.1.1 Introduction

`xepersian-magazine` class allows you to create magazines, newspapers and any other types of papers. The output document has a front page and as many inner pages as desired. Articles appear one after another, telling the type, number of columns, heading, subheading, images, author and so forth. It is possible to change the aspect of (almost) everything therefore it is highly customisable. Commands to add different titles, headings and footers are also provided.

#### 6.1.2 Usage

To create<sup>2</sup> a magazine just load the class as usual<sup>3</sup>, with

```
\documentclass [Options] {xepersian-magazine}
```

at the beginning of your source file. The class options are described in [subsubsection 6.1.12](#).

From this point it is possible to include packages and renew class commands described in [subsubsection 6.1.9](#).

#### 6.1.3 Front Page

As every magazine, `xepersian-magazine` has its own front page. It includes main headings, an index, the magazine logo and other useful information. This environment should be the first you use within `xepersian-magazine` class but it is not mandatory.

```
\firstimage \firstarticle
```

The first two commands you can use inside the `frontpage` environment are `\firstimage` and `\firstarticle` which include, respectively, the main image and the main heading in the front page. The first one takes two arguments  $\langle image \rangle$  and  $\langle description \rangle$ . Notice that second argument is optional and it declares the image caption;  $\langle image \rangle$  defines the relative path to the image. In order to include the first piece of article use

---

<sup>2</sup>For a sample file, please look at `magazine-sample.tex` in the doc folder

<sup>3</sup>You also need to load `graphicx`, `xunicode` and `xepersian` packages respectively, after loading the document class and choose fonts for the main text, Latin text and digits in maths formulas. For more detail see [section 2](#) of the documentation.

`\firstarticle{<title>}{<opening>}{<time>}`

first two arguments are mandatory and represent heading and the opening paragraph. Last argument is optional (you can leave it blank) and indicates the time when article happened.

`\secondarticle`

The second piece of article is included using the command `\secondarticle` just as the first article. The main difference are that this second piece has two more arguments and it does not include an image.

`\secondarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}`

The new arguments `<subtitle>` and `<pagesof>` define a subtitle and the name of the section for this piece of article.

`\thirdarticle`

The third piece of article is the last one in the `xepersian-magazine` front page. It works like the `\secondarticle`.

`\thirdarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}`

The arguments meaning is the same as `\secondarticle` command.

The front page includes three information blocks besides the news: `indexblock` which contains the index, `authorblock` which includes information about the author and a `weatherblock` containing a weather forecast. All these three environments are mostly a frame in the front page therefore they can be redefined to fit your personal wishes but I kept them to give an example and to respect the original `xepersian-magazine` format.

`\indexitem`

The `indexblock` environment contains a manually edited index of `xepersian-magazine`. It takes one optional argument `<title>` and places a title over the index block. To add entries inside the index just type

`\indexitem{<title>}{<reference>}`

inside the environment. The `<title>` is the index entry text and the `<reference>` points to a article inside `xepersian-magazine`. It will be more clear when you read [subsubsection 6.1.4](#). In order to get a correct output, it is necessary to leave a blank line between index items.

The `authorblock` environment can include whatever you would like. I called it `authorblock` because I think it is nice to include some author reference in the

front page: who you are, why are you doing this... This environment creates a frame box in the bottom right corner of the front page with your own logo at the top.

```
\weatheritem
```

Finally, the `weatherblock` lets you include a weather forecast. It takes one optional argument `<title>` that places a title over the weather block. It can fit up to three weather icons with maximum and minimum temperatures, description and name. To add each of the weather entries type the following

```
\weatheritem{<image>}{<day-name>}{<max>}{<min>}{<short-des>}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy), `<day-name>` like Monday, `<max>` and `<min>` are the highest and lowest day temperatures and `<short-des>` is a brief description of the weather condition: partly cloudy, sunny and windy ...

#### 6.1.4 Inside

Once we have created the front page we should include all articles inside our magazine. `xepersian-magazine` arranges all articles one after each other, expanding headings all over the page and splitting the article text in the number of columns we wish. There are three different environments to define a piece of article: the `article` environment described in [subsubsection 6.1.5](#), the `editorial` environment [subsubsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsubsection 6.1.7](#).

#### 6.1.5 The article environment

The main environment to include a piece of article is called `article`. It takes four arguments that set up the headings and structure of the article.

```
\begin{article}{<num-of-columns>}{<title>}{<subtitle>}{<pagesof>}{<label>}  
...<text>...  
\end{article}
```

The first argument `<num-of-columns>` sets the number of columns the article will be divided whereas `<label>` is used when pointing an article from the index in the front page. The rest of the arguments are easy to understand.

Inside the `article` environment, besides the main text of the article, it is possible to include additional information using several class commands.



`\authorandplace \timestamp`

The `\authorandplace{<author>}{<place>}` inserts the name of the editor and the place where the article happened in the way many magazines do. Another useful command is `\timestamp{<time>}` which includes the time and a separator just before the text. These two commands should be used before the text because they type the text as the same place they are executed.

`\image`

To include images within the text of an article, `xepersian-magazine` provides an `\image` command. Since `multicol` package does not provide any float support for its `multicols` environment, I created a macro that includes an image only if that is possible, calculating if there is enough space for the image. It is not the best solution but it works quite well and I could not find a better one. To include an image use the command and its two arguments: the relative path to the image and a short description.

`\image{<image>}{<description>}`

`\columnntitle \expandedtitle`

Within the text of the article, it is possible to add column and expanded titles. The main difference between them is that the first one keeps inside the width of an article column whereas the second expands all over the width of the page, breaking all the columns. Their use is analogous, as follows

`\columnntitle{<type>}{<text>}`  
`\expandedtitle{<type>}{<text>}`

These two commands use `fancybox` package features. That is why there are five different types of titles which correspond mainly with `fancybox` ones: `shadowbox`, `doublebox`, `ovalbox`, `Ovalbox` and `lines`.

#### 6.1.6 The editorial environment

In addition to the editorial article environment, one can use the editorial environment to create editorial or opinion texts. The main feature is that it transforms the style of the heading. Although this environment accepts all the commands article takes, it does not make any sense to use the `\authorandplace` command within it since it includes an author argument. To create an editorial text use

```
\begin{editorial}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle author \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\end{editorial}
```

All arguments have the same meaning as article environment (see [subsubsection 6.1.5](#)).

### 6.1.7 The shortarticle environment

The shortarticle environment creates a block of short article. Although it has its own title and subtitle, each piece of article within it may have a title. To use it just type:

```
\begin{shortarticle}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\shortarticleitem{\langle title \rangle}{\langle text \rangle}
...
\end{shortarticle}
```

You can also specify the number of columns of the block like editorial and article environments. To add a piece of article inside the shortarticle use the `\shortarticleitem`, indicating a title and the text of the issue.

### 6.1.8 Commands between articles

```
\articlesep \newsection
```

There are two commands you can use among the articles inside `xepersian-magazine`: `\articlesep` and `\newsection`. The first one does not take any parameter and just draws a line between two articles. The second changes the content of `\xepersian@section` to the new `\langle section name \rangle`. From the point it is used, all articles which follow will be grouped within the new section.

```
\newsection{\langle section name \rangle}
```

### 6.1.9 Customization

`xepersian-magazine` includes many commands which can be used to customize its aspect, from the front page to the last page. I will list them grouped so it is easy to find them. Treat them as standard  $\text{\LaTeX}$  commands, using `\renewcommand` to change their behaviour.

### 6.1.10 Front Page

`\customlogo \customminilogo \custommagazinenam`

When creating a magazine, everyone wants to show its own logo instead of xepersian-magazine default heading. To achieve this, you need to put the following command at the preamble of your document:

`\customlogo{<text>}  
\customminilogo{<text>}  
\custommagazinenam{<text>}`

`\edition \editionformat`

The edition text has to be declared in the preamble of the document. One important thing to know is that `\author`, `\date` and `\title` have no effect inside xepersian-magazine since the magazine date is taken from `\today` command and the other two are only for the title page (if using `\maketitle`).

`\indexFormat \indexEntryFormat \indexEntryPageTxt  
\indexEntryPageFormat \indexEntrySeparator`

When defining the index in the front page, there are several commands to customize the final index style. `\indexFormat` sets the format of the title; `\indexEntryFormat`, the format of each index entry; `\indexEntryPageTxt` and `\indexEntryPageFormat` lets you define which is the text that goes with the page number and its format. Finally, xepersian-magazine creates a thin line between index entries, you can redefine it using `\indexEntrySeparator`. To get the index with `\xepersian@indexwidth` is provided.

`\weatherFormat \weatherTempFormat \weatherUnits`

Relating to the weather block, the title format can be changed redefining `\weatherFormat`. In order to customize the format of the temperature numbers and their units it is necessary to redefine `\weatherTempFormat` and `\weatherUnits` respectively.

`\*TitleFormat \*SubtitleFormat \*TextFormat`

The main article that appear in the front page can change their formats. To obtain that there are three standard commands to modify the title, subtitle and text style. You just have to replace the star (\*) with first, second or third depending on which article you are editing. Note that first piece of article has no subtitle therefore it does not make any sense to use the non-existent command `\firstSubtitleFormat`.

<code>\pictureCaptionFormat</code> <code>\pagesFormat</code>
--------------------------------------------------------------

Two other elements to configure are the picture captions and the pages or section format in the entire document. To proceed just redefine the macros `\pictureCaptionFormat` and `\pagesFormat`.

#### 6.1.11 Inside The Magazine

<code>\innerTitleFormat</code> <code>\innerSubtitleFormat</code> <code>\innerAuthorFormat</code> <code>\innerPlaceFormat</code>
------------------------------------------------------------------------------------------------------------------------------------

The articles inside `xepersian-magazine` may have a different format from the ones in the front page. To change their title or subtitle format redefine `\innerTitleFormat` and `\innerSubtitleFormat`. The article text format matches the document general definition. When using the `\authorandplace` command, you might want to change the default style. Just renew `\innerAuthorFormat` and `\innerPlaceFormat` to get the results.

<code>\timestampTxt</code> <code>\timestampSeparator</code> <code>\timestampFormat</code>
-------------------------------------------------------------------------------------------

The `\timestamp` command described in [subsubsection 6.1.5](#) lets you introduce the time of the event before the article text. You can configure its appearance by altering several commands: `\timestampTxt` which means the text after the timestamp; `\timestampSeparator` which defines the element between the actual timestamp and the beginning of the text and, finally, `\timestampFormat` to change the entire timestamp format.

<code>\innerTextFinalMark</code>
----------------------------------

`xepersian-magazine` puts a small black square at the end of the article. As I wanted to create a highly customizable  $\text{\LaTeX}$  class I added the macro `\innerTextFinalMark` to change this black square. This item will appear always following the last character of the text with the `~` character.

<code>\minraggedcols</code> <code>\raggedFormat</code>
--------------------------------------------------------

The `\minraggedcols` counter is used to tell `xepersian-magazine` when article text should be ragged instead of justified. The counter represents the minimum number of columns that are needed in order to use ragged texts. For example, if `\minraggedcols` is set to 3, all articles with 3 columns or more will be ragged. Articles with 1, 2 columns will have justified text. By default, `\minraggedcols` is set to 4.

The `\raggedFormat` macro can be redefined to fit user ragged style. Default value is `\RaggedLeft`.

`\heading \foot`

xepersian-magazine includes package fancyhdr for changing headings and footers. Although it is possible to use its own commands to modify xepersian-magazine style, there are two commands to change headings and foot appearance. Place them in the preamble of your xepersian-magazine document.

`\heading{\left}\{center\}\{right\}`  
`\foot{\left}\{center\}\{right\}`

If you still prefer to use fancyhdr macros, use them after the `frontpage` environment.

xepersian-magazine by default places no headers and footers. If you want headers and footers, then after loading xepersian package, you should write `\pagestyle{fancy}` at the preamble of your document.

### 6.1.12 Class Options

The xepersian-magazine class is in itself an alteration of the standard article class, thus it inherits most of its class options but `twoside`, `twocolumn`, `notitlepage` and `a4paper`. If you find problems when loading other article features, please let me know to fix it. There are also five own options that xepersian-magazine implements.

**a3paper** (false) This option makes xepersian-magazine 297 mm width by 420 mm height. This option is implemented because the standard article class does not allow this document size.

**9pt** (false) Allows the 9pt font size that article class does not include (default is 10pt).

**columnlines** columnlines (false) Adds lines between columns in the entire xepersian-magazine. The default line width is 0.1pt but it is possible to change this by setting length `\columnlines` in the preamble.

**showgrid** (false) This option is only for developing purposes. Because the front page has a personal design using the textpos package, I created this grid to make easier the lay out.

## 6.2 Typesetting Multiple-choice Questions

### 6.2.1 Introduction

xepersian-multiplechoice is a package for making multiple choices questionnaires under L<sup>A</sup>T<sub>E</sub>X. A special environment allows you to define questions and possible answers. You can specify which answers are correct and which are not. xepersian-multiplechoice not only formats the questions for you, but also generates a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). You can then print the mask on a slide

and correct the questionnaires more easily by superimposing the mask on top of students' forms.

### 6.2.2 Usage

Here we now explain the usage of this package, however there are four example files, namely `test-question-only.tex`, `test-solution-form.tex`, `test-empty-form.tex` and `test-correction.tex`, available in `doc` folder that you may want to look at.

### 6.2.3 Loading The Package

You can load the package as usual by:

```
\usepackage [Options] {xepersian-multiplechoice}
```

The available options are described along the text, where appropriate.

### 6.2.4 Creating Questions

Here's a simple example demonstrating how to produce a new question:

```
1 \begin{question}{سؤال}
2 \false \ جواب
3 \true ۲ جواب
4 \false ۳ جواب
5 \false ۴ جواب
6 \end{question}
7 \begin{correction}
8 جواب واقعی و علت اینکه این جواب، جواب واقعی هست
9 \end{correction}
```

### 6.2.5 The question Environment

The `question` environment allows you to insert questions into your document. It takes one mandatory argument which specifies the actual question's text. The question will be displayed in a frame box, the size of the line.

```
\true \false
```

The proposed answers are displayed below the question in a list fashion (the question environment is a list-based one). Instead of using `\item` however, use either `\true` or `\false` to insert a possible answer.

### 6.2.6 Question Numbers

The `question` environment is associated with a  $\text{\LaTeX}$  counter named `question`. This counter stores the number of the next (or current) question. It is initialized to 1, and automatically incremented at the end of `question` environments. You might want to use it to format question titles. For instance, you could decide that each question belongs to a subsection in the `article` class, and use something like this before each question: `\subsection*{Question \thethequestion}`

### 6.2.7 The Form and the Mask

<code>\makeform</code> <code>\makemask</code>
-----------------------------------------------

Based on the questions appearing in your document, `xepersian-multiplechoice` has the ability to generate a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). This can make the correction process easier.

To generate a form and a mask, use the macros `\makeform` and `\makemask`. `xepersian-multiplechoice` uses two auxiliary files to build them. These files have respectively an extension of `frm` and `msk`. If you use these macros, you will need two passes of  $\text{\LaTeX}$  in order to get a correctly formatted document.

### 6.2.8 Typesetting corrections

The “correction” mode allows you to automatically typeset and distribute corrections to your students. These corrections are slightly modified versions of your questionnaire: each possible answer is prefixed with a small symbol (a visual clue) indicating whether the answer was correct or wrong. In addition, you can typeset explanations below each question.

To activate the correction mode, use the `correction` option. It is off by default.

To typeset explanations below the questions, use the `correction` environment (no argument). The contents of this environment is displayed only in correction mode. In normal mode, it is simply discarded.

In addition, note that `xepersian-multiplechoice` cancels the actions performed by `\makeform` and `\makemask` in `correction` mode. This is to avoid further edition of the source when typesetting a correction.

### 6.2.9 Important Note

Currently, `xepersian-multiplechoice` requires that you provide a constant number of proposed answers across all questions in your `xepersian-multiplechoice`. This is something natural when you want to build forms, but this might be too restrictive otherwise, I’m not sure, so it is possible that this restriction will be removed in future versions.

Currently, there is a built-in mechanism for checking that the number of proposed answers remains constant: when `xepersian-multiplechoice` encounters the

first occurrence of the `question` environment, it remembers the number of proposed answers from there. Afterwards, any noticed difference in subsequent occurrences will generate an error. As a consequence, you never have to tell `xepersian-multiplechoice` explicitly what that number is.

## 6.3 Customising The Package

### 6.3.1 The question environment

<code>\questionspace</code> <code>\answerstitlefont</code> <code>\answernumberfont</code>
-------------------------------------------------------------------------------------------

`\questionspace` is the amount of extra vertical space to put under the question, before the list of proposed answers. This is a  $\text{\LaTeX}$  length that defaults to `0pt`.

Before the list of possible answers, a short title is displayed (for English, it reads “Possible answers:”). The `\answerstitlefont` macro takes one mandatory argument which redefines the font to use for the answers title. By default, `\bfseries` is used.

Each proposed answer in the list is numbered automatically (and alphabetically). The `\answernumberfont` macro takes one mandatory argument which redefines the font to use for displaying the answer number. By default, `\bfseries` is used.

### 6.3.2 The Form and the Mask

<code>\headerfont</code> <code>\X</code>
------------------------------------------

The `\headerfont` macro takes one mandatory argument which redefines the font to use for the headers (first line and first column) of the form and mask arrays. By default, `\bfseries` is used.

In the mask, correct answers are checked in by filling the corresponding cell with an “X” character. If you want to change this, call the `\X` macro with one (mandatory) argument.

### 6.3.3 The correction

<code>\truesymbol</code> <code>\falsesymbol</code>
----------------------------------------------------

In correction mode, labels in front of answers are modified to give a visual clue about whether the answer was correct or wrong. By default, a cross and a small arrow are used. You can change these symbols by using the `\truesymbol` and

`\falsesymbol` macros. For instance, you could give a fancier look to your correction by using the `pifont` package and issuing:

<code>\truesymbol{\ding{'063}~}</code> <code>\falsesymbol{\ding{'067}~}</code>
-----------------------------------------------------------------------------------



`\correctionstyle`

The appearance of the contents of the correction environment can be adjusted by using the `\correctionstyle` macro. By default, `\itshape` is used.

## 7 xepersian implementation

### 7.1 algorithmic-xepersian.def

```
1 \ProvidesFile{algorithmic-xepersian.def}[2010/07/25 v0.2 adaptations for algorithmic package]
2 \def\algorithmicrequire{\if@RTL\textbf{   :}\else\textbf{Require:}\fi}
3 \def\algorithmicensure{\if@RTL\textbf{   :}\else\textbf{Ensure:}\fi}
```

### 7.2 algorithm-xepersian.def

```
4 \ProvidesFile{algorithm-xepersian.def}[2010/07/25 v0.2 adaptations for algorithm package]
5 \def\ALG@name{\if@RTL\else\      Algorithm\fi}
6 \def\ALGS@name{      }
7 \def\listalgorithmname{\if@RTL      \ALGS@name\else List of \ALG@name s\fi}
```

### 7.3 amsart-xepersian.def

```
8 \ProvidesFile{amsart-xepersian.def}[2013/04/26 v0.3 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11   \let\sectionname\appendixname
12   \def\thesection{\@harfi\c@section}}
13
14 \long\def\@footnotetext#1{%
15   \insert\footins{%
16     \if@RTL\@footnote\@RTLtrue\else\@RTLfalse\fi%
17     \normalfont\footnotesize
18     \interlinepenalty\interfootnotelinepenalty
19     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
20     \floatingpenalty\@MM \hsize\columnwidth
21     \@parboxrestore \parindent\normalparindent \sloppy
22     \protected@edef\@currentlabel{%
23       \csname p@footnote\endcsname\@thefnmark}%
24     \@makefnmark}%
25   \rule\z@\footnotesep\ignorespaces\if@RTL\@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
26
27
28
29
30
31 \long\def\@RTLfootnotetext#1{%
32   \insert\footins{%
33     \@RTLtrue%
34     \normalfont\footnotesize
35     \interlinepenalty\interfootnotelinepenalty
```

```

36 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
37 \floatingpenalty\@MM \hsize\columnwidth
38 \@parboxrestore \parindent\normalparindent \sloppy
39 \protected@edef\@currentlabel{%
40   \csname p@footnote\endcsname\@thefnmark}%
41 \@makefnintext{%
42   \rule{z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}}
43
44
45
46
47
48
49
50 \long\def\@LTRfootnotetext#1{%
51   \insert\footins{%
52     \@RTLfalse%
53     \normalfont\footnotesize
54     \interlinepenalty\interfootnotelinepenalty
55     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
56     \floatingpenalty\@MM \hsize\columnwidth
57     \@parboxrestore \parindent\normalparindent \sloppy
58     \protected@edef\@currentlabel{%
59       \csname p@footnote\endcsname\@thefnmark}%
60     \@makefnintext{%
61       \rule{z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}}}
62
63
64 \footdir@temp\footdir@ORG@xepersian@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
65 \footdir@temp\footdir@ORG@xepersian@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
66 \footdir@temp\footdir@ORG@xepersian@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
67

```

## 7.4 amsbook-xepersian.def

```

68 \ProvidesFile{amsbook-xepersian.def}[2013/04/26 v0.4 adaptations for amsbook class]
69 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
70 \renewcommand \thepart {\@tartibi\c@part}
71 \def\appendix{\par
72   \c@chapter\z@ \c@section\z@
73   \let\chaptername\appendixname
74   \def\thechapter{\@harfi\c@chapter}}
75
76 \long\def\@footnotetext#1{%
77   \insert\footins{%
78     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
79     \normalfont\footnotesize
80     \interlinepenalty\interfootnotelinepenalty
81     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
82     \floatingpenalty\@MM \hsize\columnwidth

```

```

83 \parboxrestore \parindent\normalparindent \sloppy
84 \protected@edef\@currentlabel{%
85 \csname p@footnote\endcsname\@thefnmark}%
86 \makefnfntext{%
87 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
88
89
90
91
92
93 \long\def\@RTLfootnotetext#1{%
94 \insert\footins{%
95 \@RTLtrue%
96 \normalfont\footnotesize
97 \interlinepenalty\interfootnotelinepenalty
98 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
99 \floatingpenalty\@MM \hsize\columnwidth
100 \parboxrestore \parindent\normalparindent \sloppy
101 \protected@edef\@currentlabel{%
102 \csname p@footnote\endcsname\@thefnmark}%
103 \makefnfntext{%
104 \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}
105
106
107
108
109
110
111
112 \long\def\@LTRfootnotetext#1{%
113 \insert\footins{%
114 \@RTLfalse%
115 \normalfont\footnotesize
116 \interlinepenalty\interfootnotelinepenalty
117 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
118 \floatingpenalty\@MM \hsize\columnwidth
119 \parboxrestore \parindent\normalparindent \sloppy
120 \protected@edef\@currentlabel{%
121 \csname p@footnote\endcsname\@thefnmark}%
122 \makefnfntext{%
123 \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}}
124
125 \footdir@temp\footdir@ORG@xepersian@amsbook@footnotetext\@footnotetext{\@bidi@footdir@footnote}
126 \footdir@temp\footdir@ORG@xepersian@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
127 \footdir@temp\footdir@ORG@xepersian@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
128

```

## 7.5 article-xepersian.def

```

129 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]

```

```

130 \renewcommand \thepart {\@tartibi\c@part}
131 \renewcommand\appendix{\par
132   \setcounter{section}{0}%
133   \setcounter{subsection}{0}%
134   \gdef\thesection{\@harfi\c@section}}

```

## 7.6 artikel1-xepersian.def

```

135 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
136 \renewcommand*\thepart{\@tartibi\c@part}
137 \renewcommand*\appendix{\par
138   \setcounter{section}{0}%
139   \setcounter{subsection}{0}%
140   \gdef\thesection{\@harfi\c@section}}

```

## 7.7 artikel2-xepersian.def

```

141 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
142 \renewcommand*\thepart{\@tartibi\c@part}
143 \renewcommand*\appendix{\par
144   \setcounter{section}{0}%
145   \setcounter{subsection}{0}%
146   \gdef\thesection{\@harfi\c@section}}

```

## 7.8 artikel3-xepersian.def

```

147 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
148 \renewcommand*\thepart{\@tartibi\c@part}
149 \renewcommand*\appendix{\par
150   \setcounter{section}{0}%
151   \setcounter{subsection}{0}%
152   \gdef\thesection{\@harfi\c@section}}

```

## 7.9 backref-xepersian.def

```

153 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
154 \def\backrefpagesname{\if@RTL else\   pages\fi}
155 \def\BR@Latincitex[#1]#2{%
156   \BRorg@Latincitex[#1]#{#2}%
157   \ifBR@verbose
158     \PackageInfo{backref}{back Latin cite \string`#2\string'}%
159   \fi
160   \Hy@backout{#2}%
161 }
162 \AtBeginDocument{%
163   \ifundefined{NAT@parse}{%
164     \global\let\BRorg@Latincitex\@Latincitex
165     \global\let\@Latincitex\BR@Latincitex
166   }{%
167     \ifpackageloaded{hyperref}{%
168       \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
169     }%
170     \PackageInfo{backref}{** backref set up for natbib **}%

```

```

171 }%
172 }%

```

## 7.10 bidentuftsidenote-xepersian.def

```

173 \ProvidesFile{bidentuftsidenote-xepersian.def}[2011/06/18 v0.1 xepersian changes to bidentuftsidenote]
174 \long\def\LTRbidentuftsidenote@sidenote[#1][#2]#3{%
175   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
176   \gdef\@bidentuftsidenote@citations{}% clear out any old citations
177   \ifthenelse{NOT\isempty{#2}}{%
178     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
179   }{%
180     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
181   }%
182   \ifthenelse{\isempty{#1}}{%
183     % no specific footnote number provided
184     \stepcounter\@mpfn%
185     \protected@xdef\@thefnmark{\thempfn}%
186     \@footnotemark\LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}%
187   }{%
188     % specific footnote number provided
189     \begingroup%
190       \csname c@\@mpfn\endcsname #1\relax%
191       \unrestored@protected@xdef\@thefnmark{\thempfn}%
192     \endgroup%
193     \@footnotemark\LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}%
194   }%
195   \@bidentuftsidenote@print@citations% print any citations
196   \let\cite\@bidentuftsidenote@normal@cite% go back to using normal in-text \cite command
197   \unskip\ignorespaces% remove extra white space
198   \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
199   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
200 }
201 \long\def\RTLbidentuftsidenote@sidenote[#1][#2]#3{%
202   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
203   \gdef\@bidentuftsidenote@citations{}% clear out any old citations
204   \ifthenelse{NOT\isempty{#2}}{%
205     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
206   }{%
207     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
208   }%
209   \ifthenelse{\isempty{#1}}{%
210     % no specific footnote number provided
211     \stepcounter\@mpfn%
212     \protected@xdef\@thefnmark{\thempfn}%
213     \@footnotemark\RTLfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\persianfont#3}%
214   }{%
215     % specific footnote number provided
216     \begingroup%
217       \csname c@\@mpfn\endcsname #1\relax%

```

```

218 \unrestored@protected@xdef\@thefnmark{\thempfn}%
219 \endgroup%
220 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{\persianfont#
221 }%
222 \@bidituftesidenote@print@citations% print any citations
223 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
224 \unskip\ignorespaces% remove extra white space
225 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
226 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
227 }
228 \renewcommand\LTRmarginnote[2][Opt]{%
229 \let\cite\@bidituftesidenote@infofootnote@cite% use the in-sidenote \cite command
230 \gdef\@bidituftesidenote@citations{}% clear out any old citations
231 \LTRbidituftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidituftesidenote@marginnote@font\latin
232 \@bidituftesidenote@print@citations% print any citations
233 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
234 }
235 \renewcommand\RTLmarginnote[2][Opt]{%
236 \let\cite\@bidituftesidenote@infofootnote@cite% use the in-sidenote \cite command
237 \gdef\@bidituftesidenote@citations{}% clear out any old citations
238 \RTLbidituftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidituftesidenote@marginnote@font\persia
239 \@bidituftesidenote@print@citations% print any citations
240 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
241 }

```

## 7.11 bidimoderncv-xepersian.def

```

242 \ProvidesFile{bidimoderncv-xepersian.def}[2010/07/25 v0.1 adaptations for bidimoderncv class]
243 \def\refname{\if@RTL else\ Publications\fi}

```

## 7.12 boek3-xepersian.def

```

244 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
245 \renewcommand*\thepart{\@tartibi\c@part}
246 \renewcommand*\frontmatter{%
247 \cleardoublepage
248 \@mainmatterfalse
249 \pagenumbering{harfi}}
250 \renewcommand*\appendix{\par
251 \setcounter{chapter}{0}%
252 \setcounter{section}{0}%
253 \gdef\@chapapp{\appendixname}%
254 \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.13 boek-xepersian.def

```

255 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
256 \renewcommand*\thepart{\@tartibi\c@part}
257 \renewcommand*\frontmatter{%
258 \cleardoublepage
259 \@mainmatterfalse
260 \pagenumbering{harfi}}

```

```

261 \renewcommand*\appendix{\par
262   \setcounter{chapter}{0}%
263   \setcounter{section}{0}%
264   \gdef\@chapapp{\appendixname}%
265   \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.14 bookest-xepersian.def

```

266 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
267 \renewcommand \thepart {\@tartibi\c@part}
268 \renewcommand\appendix{\par
269   \setcounter{chapter}{0}%
270   \setcounter{section}{0}%
271   \gdef\@chapapp{\appendixname}%
272   \gdef\thechapter{\@harfi\c@chapter}
273 }%end appendix

```

## 7.15 book-xepersian.def

```

274 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
275 \renewcommand\frontmatter{%
276   \cleardoublepage
277   \@mainmatterfalse
278   \pagenumbering{harfi}}
279 \renewcommand \thepart {\@tartibi\c@part}
280 \renewcommand\appendix{\par
281   \setcounter{chapter}{0}%
282   \setcounter{section}{0}%
283   \gdef\@chapapp{\appendixname}%
284   \gdef\thechapter{\@harfi\c@chapter}
285 }%end appendix

```

## 7.16 breqn-xepersian.def

```

286 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
287 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
288   \everydisplay\expandafter{\the\everydisplay \display@setup}%
289   \if@noskipsec \leavevmode \fi
290   \if@inlabel \leavevmode \global\@inlabelfalse \fi
291   \if\eq@group\else\eq@prelim\fi
292   \setkeys{breqn}{#1}%
293   \the\eqstyle
294   \eq@setnumber
295   \begingroup
296   \eq@setup@a
297   \eq@startup
298 }
299 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
300   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
301   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
302   \global\let\GRP@label\@empty
303   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@

```

```

304 \global\grp@linewidth\z@\global\grp@wdNum\z@
305 \global\let\grp@eqs@numbered\@False
306 \global\let\grp@aligned\@True
307 \global\let\grp@shiftnumber\@False
308 \eq@prelim
309 \setkeys{breqn}{#1}%
310 \if\grp@hasNumber \grp@setnumber \fi
311 }
312 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
313 \let\display@setup\dseries@display@setup
314 % Question: should this be the default for dseries???
315 \global\eq@wdCond\z@
316 \@dmath[layout={M},#1]%
317 \mathsurround\z@\@math \penalty\@Mi
318 \let\endmath\ends@math
319 \def\premath{%
320 \ifdim\lastskip<.3em \unskip
321 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
322 }%
323 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
324 \ignorespaces
325 }

```

## 7.17 latex-localise-commands-xepersian.def

```

326 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of La
327 \eqcommand{ }{@arstrut}
328 \eqcommand{ }{above}
329 \eqcommand{ }{abovedisplayshortskip}
330 \eqcommand{ }{abovedisplayskip}
331 \eqcommand{ }{abstractname}
332 \eqcommand{ }{accent}
333 \eqcommand{ }{active}
334 \eqcommand{ }{addcontentsline}
335 \eqcommand{ }{addpenalty}
336 \eqcommand{ }{address}
337 \eqcommand{ }{addtocontents}
338 \eqcommand{ }{addtocounter}
339 \eqcommand{ }{addtolength}
340 \eqcommand{ }{addvspace}
341 \eqcommand{ }{adjdemerits}
342 \eqcommand{ }{advance}
343 \eqcommand{ }{afterassignment}
344 \eqcommand{ }{aftergroup}
345 \eqcommand{ }{aleph}
346 \eqcommand{ }{aliasfontfeature}
347 \eqcommand{ }{aliasfontfeatureoption}
348 \eqcommand{ }{allowbreak}
349 \eqcommand{ @}{alloc@}
350 \eqcommand{ }{allocationnumber}

```



```

351 \eqcommand{      }{allowdisplaybreaks}
352 \eqcommand{      }{Alph}
353 \eqcommand{      }{alph}
354 \eqcommand{      }{alsoname}
355 \eqcommand{ }{and}
356 \eqcommand{      }{angle}
357 \eqcommand{      }{appendixname}
358 \eqcommand{      }{approx}
359 \eqcommand{      }{arabic}
360 \eqcommand{ }{arg}
361 \eqcommand{      }{arrayrulecolor}
362 \eqcommand{      }{arraycolsep}
363 \eqcommand{      }{arrayrulewidth}
364 \eqcommand{      }{arraystretch}
365 \eqcommand{      }{AtBeginDocument}
366 \eqcommand{      }{AtEndDocument}
367 \eqcommand{      }{AtEndOfClass}
368 \eqcommand{      }{AtEndOfPackage}
369 \eqcommand{      }{author}
370 \eqcommand{      }{backmatter}
371 \eqcommand{      }{backslash}
372 \eqcommand{      }{badness}
373 \eqcommand{ }{bar}
374 \eqcommand{      }{baselineskip}
375 \eqcommand{      }{baselinestretch}
376 \eqcommand{      }{batchmode}
377 \eqcommand{ }{begin}
378 \eqcommand{      }{beginL}
379 \eqcommand{      }{beginR}
380 \eqcommand{      }{begingroup}
381 \eqcommand{      }{belowdisplayshortskip}
382 \eqcommand{      }{belowdisplayskip}
383 \eqcommand{ }{bf}
384 \eqcommand{      }{bfdefault}
385 \eqcommand{      }{bfseries}
386 \eqcommand{      }{bgroup}
387 \eqcommand{ }{bibitem}
388 \eqcommand{      }{bibliography}
389 \eqcommand{      }{bibliographystyle}
390 \eqcommand{      }{bibname}
391 \eqcommand{      }{bigskip}
392 \eqcommand{      }{bigskipamount}
393 \eqcommand{      }{botfigrule}
394 \eqcommand{      }{botmark}
395 \eqcommand{      }{bottompageskip}
396 \eqcommand{      }{bottomfraction}
397 \eqcommand{ }{box}
398 \eqcommand{      }{boxmaxdepth}
399 \eqcommand{ }{break}
400 \eqcommand{      }{bullet}

```

```

401 \eqcommand{ @ }{@cclv}
402 \eqcommand{ @ }{@cclvi}
403 \eqcommand{ }{caption}
404 \eqcommand{ }{catcode}
405 \eqcommand{ }{cc}
406 \eqcommand{ }{ccname}
407 \eqcommand{ }{cdot}
408 \eqcommand{ }{cdots}
409 \eqcommand{ }{centering}
410 \eqcommand{ }{centerline}
411 \eqcommand{ @ }{ch@ck}
412 \eqcommand{ }{chapter}
413 \eqcommand{ }{chaptername}
414 \eqcommand{ }{char}
415 \eqcommand{ }{chardef}
416 \eqcommand{ }{CheckCommand}
417 \eqcommand{ }{cite}
418 \eqcommand{ }{ClassError}
419 \eqcommand{ }{ClassInfo}
420 \eqcommand{ }{ClassWarning}
421 \eqcommand{ }{ClassWarningNoLine}
422 \eqcommand{ }{cleaders}
423 \eqcommand{ }{cleardoublepage}
424 \eqcommand{ }{clearpage}
425 \eqcommand{ }{cline}
426 \eqcommand{ }{closein}
427 \eqcommand{ }{closeout}
428 \eqcommand{ }{closing}
429 \eqcommand{ }{clubpenalty}
430 \eqcommand{ }{clubsuit}
431 \eqcommand{ }{colbotmark}
432 \eqcommand{ }{colfirstmark}
433 \eqcommand{ }{color}
434 \eqcommand{ }{colorbox}
435 \eqcommand{ }{coltopmark}
436 \eqcommand{ }{columncolor}
437 \eqcommand{ }{columnsep}
438 \eqcommand{ }{columnwidth}
439 \eqcommand{ }{columnseprule}
440 \eqcommand{ }{contentsline}
441 \eqcommand{ }{contentsname}
442 \eqcommand{ }{copy}
443 \eqcommand{ }{copyright}
444 \eqcommand{ }{count}
445 \eqcommand{ @ }{count@}
446 \eqcommand{ }{countdef}
447 \eqcommand{ }{cr}
448 \eqcommand{ }{crr}
449 \eqcommand{ }{csname}
450 \eqcommand{ }{CurrentOption}

```

```

451 \eqcommand{      }{dashbox}
452 \eqcommand{      }{dashv}
453 \eqcommand{@     }{@date}
454 \eqcommand{      }{date}
455 \eqcommand{      }{day}
456 \eqcommand{      }{dblbotfigrule}
457 \eqcommand{      }{dblbottomfraction}
458 \eqcommand{      }{dblfigrule}
459 \eqcommand{      }{dblfloatpagefraction}
460 \eqcommand{      }{dblfloatsep}
461 \eqcommand{      }{dblftntlocatecode}
462 \eqcommand{      }{dbltextfloatsep}
463 \eqcommand{      }{dbltopfraction}
464 \eqcommand{      }{DeclareFixedFont}
465 \eqcommand{      }{DeclareGraphicsExtensions}
466 \eqcommand{      }{DeclareGraphicsRule}
467 \eqcommand{      }{DeclareOldFontCommand}
468 \eqcommand{      }{DeclareOption}
469 \eqcommand{      }{DeclareRobustCommand}
470 \eqcommand{      }{DeclareSymbolFont}
471 \eqcommand{      }{deadcycles}
472 \eqcommand{ }{def}
473 \eqcommand{ @   }{define@key}
474 \eqcommand{      }{definecolor}
475 \eqcommand{      }{deg}
476 \eqcommand{      }{delcode}
477 \eqcommand{      }{delimiter}
478 \eqcommand{      }{delimiterfactor}
479 \eqcommand{      }{depth}
480 \eqcommand{ }{diamondsuit}
481 \eqcommand{      }{dim}
482 \eqcommand{ }{dimen}
483 \eqcommand{ @   }{dimen@}
484 \eqcommand{ @   }{dimen@i}
485 \eqcommand{ @   }{dimen@ii}
486 \eqcommand{      }{dimendef}
487 \eqcommand{      }{discretionary}
488 \eqcommand{      }{displaybreak}
489 \eqcommand{      }{displayindent}
490 \eqcommand{      }{displaystyle}
491 \eqcommand{      }{displaywidth}
492 \eqcommand{      }{divide}
493 \eqcommand{      }{documentclass}
494 \eqcommand{ }{do}
495 \eqcommand{      }{dospecials}
496 \eqcommand{      }{dot}
497 \eqcommand{      }{doteq}
498 \eqcommand{      }{dotfill}
499 \eqcommand{      }{dots}
500 \eqcommand{      }{doublebox}

```

```

501 \eqcommand{      }\{doublerulesepcolor\}
502 \eqcommand{      }\{doublerulesep\}
503 \eqcommand{      }\{downarrow\}
504 \eqcommand{ }{dp}
505 \eqcommand{ }{dump}
506 \eqcommand{ }{edef}
507 \eqcommand{ }{egroup}
508 \eqcommand{ }{eject}
509 \eqcommand{ }{else}
510 \eqcommand{ }{em}
511 \eqcommand{ }{emergencystretch}
512 \eqcommand{ }{emph}
513 \eqcommand{@ }{@empty}
514 \eqcommand{ }{empty}
515 \eqcommand{ }{emptyset}
516 \eqcommand{ }{end}
517 \eqcommand{ }{endL}
518 \eqcommand{ }{endR}
519 \eqcommand{ }{endcsname}
520 \eqcommand{ }{endfirsthead}
521 \eqcommand{ }{endfoot}
522 \eqcommand{ }{endgraf}
523 \eqcommand{ }{endgroup}
524 \eqcommand{ }{endhead}
525 \eqcommand{ }{endinput}
526 \eqcommand{ }{endlastfoot}
527 \eqcommand{ }{enlargethispage}
528 \eqcommand{ }{endline}
529 \eqcommand{ }{endlinechar}
530 \eqcommand{ }{enspace}
531 \eqcommand{ }{enskip}
532 \eqcommand{ }{eqcommand}
533 \eqcommand{ }{eqenvironment}
534 \eqcommand{ }{eqref}
535 \eqcommand{ }{errhelp}
536 \eqcommand{ }{errmessage}
537 \eqcommand{ }{errorcontextlines}
538 \eqcommand{ }{errorstopmode}
539 \eqcommand{ }{escapechar}
540 \eqcommand{ }{euro}
541 \eqcommand{ }{evensidemargin}
542 \eqcommand{ }{everycr}
543 \eqcommand{ }{everydisplay}
544 \eqcommand{ }{everyhbox}
545 \eqcommand{ }{everyjob}
546 \eqcommand{ }{everymath}
547 \eqcommand{ }{everypar}
548 \eqcommand{ }{everyvbox}
549 \eqcommand{ }{ExecuteOptions}
550 \eqcommand{ }{exhyphenpenalty}

```

```

551 \eqcommand{      }\{expandafter\}
552 \eqcommand{      }\{extracolsep\}
553 \eqcommand{@      }\{@firstofone\}
554 \eqcommand{@      }\{@firstoftwo\}
555 \eqcommand{ @ }\{f@ur\}
556 \eqcommand{      }\{fam\}
557 \eqcommand{      }\{fancy page\}
558 \eqcommand{      }\{fbox\}
559 \eqcommand{      }\{fboxrule\}
560 \eqcommand{      }\{fboxsep\}
561 \eqcommand{      }\{fcolorbox\}
562 \eqcommand{ }\{fi\}
563 \eqcommand{      }\{figurename\}
564 \eqcommand{      }\{filbreak\}
565 \eqcommand{ }\{fill\}
566 \eqcommand{      }\{firstmark\}
567 \eqcommand{ }\{flat\}
568 \eqcommand{      }\{floatpagefraction\}
569 \eqcommand{      }\{floatingpenalty\}
570 \eqcommand{      }\{floatsep\}
571 \eqcommand{      }\{flushbottom\}
572 \eqcommand{      }\{fmtname\}
573 \eqcommand{      }\{fmtversion\}
574 \eqcommand{      }\{fnsymbol\}
575 \eqcommand{ }\{font\}
576 \eqcommand{      }\{fontdimen\}
577 \eqcommand{      }\{fontencoding\}
578 \eqcommand{      }\{fontfamily\}
579 \eqcommand{      }\{fontname\}
580 \eqcommand{      }\{fontseries\}
581 \eqcommand{      }\{fontshape\}
582 \eqcommand{      }\{fontsize\}
583 \eqcommand{      }\{footheight\}
584 \eqcommand{      }\{footins\}
585 \eqcommand{      }\{footnote\}
586 \eqcommand{      }\{footnotemark\}
587 \eqcommand{      }\{footnoterule\}
588 \eqcommand{      }\{footnotesep\}
589 \eqcommand{      }\{footnotesize\}
590 \eqcommand{      }\{footnotetext\}
591 \eqcommand{      }\{footskip\}
592 \eqcommand{ }\{frame\}
593 \eqcommand{      }\{framebox\}
594 \eqcommand{      }\{frenchspacing\}
595 \eqcommand{      }\{frontmatter\}
596 \eqcommand{      }\{futurelet\}
597 \eqcommand{@      }\{@gobble\}
598 \eqcommand{@      }\{@gobbletwo\}
599 \eqcommand{@      }\{@gobblefour\}
600 \eqcommand{@      }\{@gtempa\}

```

```

601 \eqcommand{@ }{@gtempb}
602 \eqcommand{ }{gdef}
603 \eqcommand{ }{GenericInfo}
604 \eqcommand{ }{GenericWarning}
605 \eqcommand{ }{GenericError}
606 \eqcommand{ }{global}
607 \eqcommand{ }{globaldefs}
608 \eqcommand{ }{glossary}
609 \eqcommand{ }{glossaryentry}
610 \eqcommand{ }{goodbreak}
611 \eqcommand{ }{graphpaper}
612 \eqcommand{ }{guillemotleft}
613 \eqcommand{ }{guillemotright}
614 \eqcommand{ }{guilsinglleft}
615 \eqcommand{ }{guilsinglright}
616 \eqcommand{ }{halign}
617 \eqcommand{ }{hang}
618 \eqcommand{ }{hangafter}
619 \eqcommand{ }{hangindent}
620 \eqcommand{ }{hbadness}
621 \eqcommand{ }{hbox}
622 \eqcommand{ }{headheight}
623 \eqcommand{ }{headsep}
624 \eqcommand{ }{headtoname}
625 \eqcommand{ }{heartsuit}
626 \eqcommand{ }{height}
627 \eqcommand{ }{hfil}
628 \eqcommand{ }{hfill}
629 \eqcommand{ }{hfilneg}
630 \eqcommand{ }{hfuzz}
631 \eqcommand{ }{hideskip}
632 \eqcommand{ }{hidewidth}
633 \bidi@csletcs{ }{hline}% this is an exception
634 \eqcommand{ }{hoffset}
635 \eqcommand{ }{holdinginserts}
636 \eqcommand{ }{hrboxsep}
637 \eqcommand{ }{hrule}
638 \eqcommand{ }{hrulefill}
639 \eqcommand{ }{hsize}
640 \eqcommand{ }{hskip}
641 \eqcommand{ }{hspace}
642 \eqcommand{ }{hss}
643 \eqcommand{ }{ht}
644 \eqcommand{ }{huge}
645 \eqcommand{ }{Huge}
646 \eqcommand{ }{hyperlink}
647 \eqcommand{ }{hypersetup}
648 \eqcommand{ }{hypertarget}
649 \eqcommand{ }{hyphenation}
650 \eqcommand{ }{hyphenchar}

```

```

651 \eqcommand{      }\{hyphenpenalty\}
652 \eqcommand{@      }\{@ifclassloaded\}
653 \eqcommand{@      }\{@ifdefinable\}
654 \eqcommand{@      }\{@ifnextchar\}
655 \eqcommand{@      }\{@ifpackageloaded\}
656 \eqcommand{@      }\{@ifstar\}
657 \eqcommand{@      }\{@ifundefined\}
658 \eqcommand{ }\{if\}
659 \eqcommand{  @ }\{if@tempswa\}
660 \eqcommand{   }\{ifcase\}
661 \eqcommand{   }\{ifcat\}
662 \eqcommand{   }\{ifdefined\}
663 \eqcommand{   }\{ifdim\}
664 \eqcommand{   }\{ifeof\}
665 \eqcommand{ }\{iff\}
666 \eqcommand{   }\{iffalse\}
667 \eqcommand{   }\{IfFileExists\}
668 \eqcommand{   }\{ifhbox\}
669 \eqcommand{   }\{ifhmode\}
670 \eqcommand{   }\{ifinner\}
671 \eqcommand{   }\{ifmmode\}
672 \eqcommand{   }\{ifnum\}
673 \eqcommand{   }\{ifodd\}
674 \eqcommand{   }\{ifthenelse\}
675 \eqcommand{   }\{iftrue\}
676 \eqcommand{   }\{ifvbox\}
677 \eqcommand{   }\{ifvmode\}
678 \eqcommand{   }\{ifvoid\}
679 \eqcommand{   }\{ifx\}
680 \eqcommand{   }\{ignorespaces\}
681 \eqcommand{ }\{immediate\}
682 \eqcommand{ }\{include\}
683 \eqcommand{   }\{includegraphics\}
684 \eqcommand{   }\{includeonly\}
685 \eqcommand{   }\{indent\}
686 \eqcommand{   }\{index\}
687 \eqcommand{   }\{indexentry\}
688 \eqcommand{   }\{indexname\}
689 \eqcommand{   }\{indexspace\}
690 \eqcommand{ }\{input\}
691 \eqcommand{   }\{InputIfFileExists\}
692 \eqcommand{   }\{inputlineno\}
693 \eqcommand{ }\{insert\}
694 \eqcommand{   }\{insertpenalties\}
695 \eqcommand{   }\{interfootnotelinepenalty\}
696 \eqcommand{   }\{interdisplaylinepenalty\}
697 \eqcommand{   }\{interlinepenalty\}
698 \eqcommand{   }\{intertext\}
699 \eqcommand{   }\{intertextsep\}
700 \eqcommand{ }\{invisible\}

```

```

701 \eqcommand{    }{itdefault}
702 \eqcommand{    }{itshape}
703 \eqcommand{ }{item}
704 \eqcommand{    }{itemindent}
705 \eqcommand{    }{itemsep}
706 \eqcommand{    }{iterate}
707 \eqcommand{ }{itshape}
708 \eqcommand{ }{jobname}
709 \eqcommand{ }{jot}
710 \eqcommand{ }{kern}
711 \eqcommand{ }{kill}
712 \eqcommand{ }{label}
713 \eqcommand{    }{labelenumi}
714 \eqcommand{    }{labelenumii}
715 \eqcommand{    }{labelenumiii}
716 \eqcommand{    }{labelenumiv}
717 \eqcommand{    }{labelitemi}
718 \eqcommand{    }{labelitemii}
719 \eqcommand{    }{labelitemiii}
720 \eqcommand{    }{labelitemiv}
721 \eqcommand{    }{labelsep}
722 \eqcommand{    }{labelwidth}
723 \eqcommand{ }{language}
724 \eqcommand{ }{large}
725 \eqcommand{ }{Large}
726 \eqcommand{ }{LARGE}
727 \eqcommand{ }{lastbox}
728 \eqcommand{ }{lastkern}
729 \eqcommand{ }{lastpenalty}
730 \eqcommand{ }{lastskip}
731 \eqcommand{ }{LaTeX}
732 \eqcommand{ }{LaTeXe}
733 \eqcommand{ }{lccode}
734 \eqcommand{ }{ldots}
735 \eqcommand{ }{leaders}
736 \eqcommand{ }{leavevmode}
737 \eqcommand{ }{left}
738 \eqcommand{    }{leftmargin}
739 \eqcommand{    }{leftmargini}
740 \eqcommand{    }{leftmarginii}
741 \eqcommand{    }{leftmarginiii}
742 \eqcommand{    }{leftmarginiv}
743 \eqcommand{    }{leftmarginv}
744 \eqcommand{    }{leftmarginvi}
745 \eqcommand{    }{leftmark}
746 \eqcommand{    }{leftpageskip}
747 \eqcommand{    }{leftskip}
748 \eqcommand{ }{let}
749 \eqcommand{ }{line}
750 \eqcommand{ }{linebreak}

```



```

751 \eqcommand{ }{linepenalty}
752 \eqcommand{ }{lineskip}
753 \eqcommand{ }{lineskiplimit}
754 \eqcommand{ }{linespread}
755 \eqcommand{ }{linethickness}
756 \eqcommand{ }{linewidth}
757 \eqcommand{ }{listfigurename}
758 \eqcommand{ }{listfiles}
759 \eqcommand{ }{listoffigures}
760 \eqcommand{ }{listoftables}
761 \eqcommand{ }{listparindent}
762 \eqcommand{ }{listtablename}
763 \eqcommand{ }{LoadClass}
764 \eqcommand{ }{LoadClassWithOptions}
765 \eqcommand{ }{location}
766 \eqcommand{ }{long}
767 \eqcommand{ }{looseness}
768 \eqcommand{ }{lower}
769 \eqcommand{@ }{@makeother}
770 \eqcommand{@ }{@m}
771 \eqcommand{ @ }{@M}
772 \eqcommand{ @ }{@Mi}
773 \eqcommand{ @ }{@Mii}
774 \eqcommand{ @ }{@Miii}
775 \eqcommand{ @ }{@Miv}
776 \eqcommand{ @ }{@MM}
777 \eqcommand{ @ }{@mOne}
778 \eqcommand{ }{mag}
779 \eqcommand{ }{magstep}
780 \eqcommand{ }{magstephalf}
781 \eqcommand{ }{mainmatter}
782 \eqcommand{ }{makeatletter}
783 \eqcommand{ }{makeatother}
784 \eqcommand{ }{makebox}
785 \eqcommand{ }{makeglossary}
786 \eqcommand{ }{makeindex}
787 \eqcommand{ }{makelabel}
788 \eqcommand{ }{makelabels}
789 \eqcommand{ }{MakeLowercase}
790 \eqcommand{ }{maketitle}
791 \eqcommand{ }{MakeUppercase}
792 \eqcommand{ }{marginpar}
793 \eqcommand{ }{marginparpush}
794 \eqcommand{ }{marginparsep}
795 \eqcommand{ }{marginparwidth}
796 \eqcommand{ }{mark}
797 \eqcommand{ }{markboth}
798 \eqcommand{ }{markright}
799 \eqcommand{ }{mathaccent}
800 \eqcommand{ }{mathchar}

```

```

801 \eqcommand{      }\{mathchardef\}
802 \eqcommand{      }\{mathcode\}
803 \eqcommand{      }\{mathrm\}
804 \eqcommand{      }\{maxdeadcycles\}
805 \eqcommand{      }\{maxdepth\}
806 \eqcommand{      }\{maxdimen\}
807 \eqcommand{      }\{mbox\}
808 \eqcommand{      }\{mdseries\}
809 \eqcommand{      }\{meaning\}
810 \eqcommand{      }\{mediumseries\}
811 \eqcommand{      }\{medmuskip\}
812 \eqcommand{      }\{medskip\}
813 \eqcommand{      }\{medskipamount\}
814 \eqcommand{      }\{medspace\}
815 \eqcommand{      }\{message\}
816 \eqcommand{      }\{MessageBreak\}
817 \eqcommand{      }\{minrowclearance\}
818 \eqcommand{      }\{mkern\}
819 \eqcommand{      }\{month\}
820 \eqcommand{      }\{moveleft\}
821 \eqcommand{      }\{moveright\}
822 \eqcommand{      }\{mskip\}
823 \eqcommand{ @ }\{m@th\}
824 \eqcommand{      }\{multicolumn\}
825 \eqcommand{      }\{multiply\}
826 \eqcommand{      }\{multispan\}
827 \eqcommand{      }\{muskip\}
828 \eqcommand{      }\{muskipdef\}
829 \eqcommand{@ }\{ @namedef\}
830 \eqcommand{@ }\{ @nameuse\}
831 \eqcommand{ @ }\{ @ne\}
832 \eqcommand{      }\{name\}
833 \eqcommand{      }\{natural\}
834 \eqcommand{      }\{nearrow\}
835 \eqcommand{      }\{nearrower\}
836 \eqcommand{      }\{NeedsTeXFormat\}
837 \eqcommand{      }\{neg\}
838 \eqcommand{      }\{negmedspace\}
839 \eqcommand{      }\{negthickspace\}
840 \eqcommand{      }\{negthinspace\}
841 \eqcommand{      }\{newboolean\}
842 \eqcommand{      }\{newbox\}
843 \eqcommand{      }\{newcommand\}
844 \eqcommand{      }\{newcount\}
845 \eqcommand{      }\{newcounter\}
846 \eqcommand{      }\{newdimen\}
847 \eqcommand{      }\{newenvironment\}
848 \eqcommand{      }\{newfam\}
849 \eqcommand{      }\{newfont\}
850 \eqcommand{      }\{newhelp\}

```

```

851 \eqcommand{ }{newinsert}
852 \eqcommand{ }{newlabel}
853 \eqcommand{ }{newlength}
854 \eqcommand{ }{newline}
855 \eqcommand{ }{newlinechar}
856 \eqcommand{ }{newmuskip}
857 \eqcommand{ }{newpage}
858 \eqcommand{ }{newread}
859 \eqcommand{ }{newsavebox}
860 \eqcommand{ }{newskip}
861 \eqcommand{ }{newtheorem}
862 \eqcommand{ }{newtoks}
863 \eqcommand{ }{newwrite}
864 \eqcommand{ }{noalign}
865 \eqcommand{ }{nobreak}
866 \eqcommand{ }{nobreakspace}
867 \eqcommand{ }{nocite}
868 \eqcommand{ }{noexpand}
869 \eqcommand{ }{nofiles}
870 \eqcommand{ }{noindent}
871 \eqcommand{ }{nointerlineskip}
872 \eqcommand{ }{nolimits}
873 \eqcommand{ }{nolinebreak}
874 \eqcommand{ }{nonstopmode}
875 \eqcommand{ }{nonfrenchspacing}
876 \eqcommand{ }{nonumber}
877 \eqcommand{ }{nopagebreak}
878 \eqcommand{ }{normalbaselines}
879 \eqcommand{ }{normalbaselineskip}
880 \eqcommand{ }{normalcolor}
881 \eqcommand{ }{normalfont}
882 \eqcommand{ }{normallineskip}
883 \eqcommand{ }{normallineskiplimit}
884 \eqcommand{ }{normalmarginpar}
885 \eqcommand{ }{normalsize}
886 \eqcommand{ }{notag}
887 \eqcommand{ }{null}
888 \eqcommand{ }{nullfont}
889 \eqcommand{ }{number}
890 \eqcommand{ }{numberline}
891 \eqcommand{ }{numberwithin}
892 \eqcommand{ }{@evenfoot}
893 \eqcommand{ }{@evenhead}
894 \eqcommand{ }{@oddfoot}
895 \eqcommand{ }{@oddhead}
896 \eqcommand{ }{@outeqntrue}
897 \eqcommand{ }{@outeqnfalse}
898 \eqcommand{ }{obeylines}
899 \eqcommand{ }{obeyspaces}
900 \eqcommand{ }{oddsidemargin}

```

```

901 \eqcommand{      }{offinterlineskip}
902 \eqcommand{ }{omit}
903 \eqcommand{@      }{@onlypreamble}
904 \eqcommand{      }{onecolumn}
905 \eqcommand{      }{onlynotes}
906 \eqcommand{      }{onlyslides}
907 \eqcommand{      }{openin}
908 \eqcommand{      }{openout}
909 \eqcommand{      }{OptionNotUsed}
910 \eqcommand{ }{or}
911 \eqcommand{      }{outer}
912 \eqcommand{      }{output}
913 \eqcommand{      }{outputpenalty}
914 \eqcommand{      }{overfullrule}
915 \eqcommand{@      }{@preamblecmds}
916 \eqcommand{@ }{p@}
917 \eqcommand{      }{PackageError}
918 \eqcommand{      }{PackageInfo}
919 \eqcommand{      }{PackageWarning}
920 \eqcommand{      }{PackageWarningNoLine}
921 \eqcommand{      }{pagebreak}
922 \eqcommand{      }{pagecolor}
923 \eqcommand{      }{pagedepth}
924 \eqcommand{      }{pagefilllstretch}
925 \eqcommand{      }{pagefillstretch}
926 \eqcommand{      }{pagefilstretch}
927 \eqcommand{      }{pagegoal}
928 \eqcommand{      }{pagename}
929 \eqcommand{      }{pagenumbering}
930 \eqcommand{      }{pageref}
931 \eqcommand{      }{pagerulewidth}
932 \eqcommand{      }{pageshrink}
933 \eqcommand{      }{pagestretch}
934 \eqcommand{      }{pagestyle}
935 \eqcommand{      }{pagetotal}
936 \eqcommand{      }{paperheight}
937 \eqcommand{      }{paperwidth}
938 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
939 \eqcommand{      }{paragraph}
940 \eqcommand{      }{parallel}
941 \eqcommand{      }{parbox}
942 \eqcommand{      }{parfillskip}
943 \eqcommand{      }{parindent}
944 \eqcommand{      }{parsep}
945 \eqcommand{      }{parshape}
946 \eqcommand{      }{parskip}
947 \eqcommand{ }{part}
948 \eqcommand{      }{partname}
949 \eqcommand{      }{partopsep}
950 \eqcommand{      }{PassOptionToClass}

```

```

951 \eqcommand{           }\{PassOptionToPackage\}
952 \eqcommand{   }\{path\}
953 \eqcommand{   }\{patterns\}
954 \eqcommand{ }\{pausing\}
955 \eqcommand{   }\{penalty\}
956 \eqcommand{ }\{phantom\}
957 \eqcommand{   }\{poptabs\}
958 \eqcommand{   }\{postdisplaypenalty\}
959 \eqcommand{   }\{predisplaydirection\}
960 \eqcommand{   }\{predisplaypenalty\}
961 \eqcommand{   }\{preplaysize\}
962 \eqcommand{   }\{pretolerance\}
963 \eqcommand{   }\{prevdepth\}
964 \eqcommand{   }\{prevgraf\}
965 \eqcommand{   }\{printindex\}
966 \eqcommand{   }\{ProcessOptions\}
967 \eqcommand{ }\{protect\}
968 \eqcommand{   }\{providecommand\}
969 \eqcommand{   }\{ProvidesClass\}
970 \eqcommand{   }\{ProvidesFile\}
971 \eqcommand{   }\{ProvidesPackage\}
972 \eqcommand{   }\{pushtabs\}
973 \eqcommand{ }\{quad\}
974 \eqcommand{ }\{qqquad\}
975 \eqcommand{@   }\{@outputpagerestore\}
976 \eqcommand{   }\{radical\}
977 \eqcommand{   }\{raggedbottom\}
978 \eqcommand{   }\{raggedleft\}
979 \eqcommand{   }\{raggedright\}
980 \eqcommand{   }\{raise\}
981 \eqcommand{   }\{raisebox\}
982 \eqcommand{   }\{raisetag\}
983 \eqcommand{   }\{rangle\}
984 \eqcommand{ }\{rceil\}
985 \eqcommand{ }\{read\}
986 \eqcommand{ }\{ref\}
987 \eqcommand{   }\{reflectbox\}
988 \eqcommand{   }\{refname\}
989 \eqcommand{   }\{refstepcounter\}
990 \eqcommand{ }\{relax\}
991 \eqcommand{   }\{removelastskip\}
992 \eqcommand{   }\{renewcommand\}
993 \eqcommand{   }\{renewenvironment\}
994 \eqcommand{   }\{RequirePackage\}
995 \eqcommand{   }\{RequirePackageWithOptions\}
996 \eqcommand{   }\{resizebox\}
997 \eqcommand{   }\{reversemarginpar\}
998 \eqcommand{ }\{rfloor\}
999 \eqcommand{ }\{right\}
1000 \eqcommand{   }\{rightmargin\}

```

```

1001 \eqcommand{ }{rightmark}
1002 \eqcommand{ }{rightpageskip}
1003 \eqcommand{ }{rightskip}
1004 \eqcommand{ }{rmdefault}
1005 \eqcommand{ }{rmfamily}
1006 \eqcommand{ }{Roman}
1007 \eqcommand{ }{roman}
1008 \eqcommand{ }{romannumeral}
1009 \eqcommand{ }{rotatebox}
1010 \eqcommand{ }{rowcolor}
1011 \eqcommand{ }{rule}
1012 \eqcommand{@ }{@secondoftwo}
1013 \eqcommand{@ }{@spaces}
1014 \eqcommand{ }{samepage}
1015 \eqcommand{ }{savebox}
1016 \eqcommand{ }{sbox}
1017 \eqcommand{ }{scalebox}
1018 \eqcommand{ }{scdefault}
1019 \eqcommand{ }{scshape}
1020 \eqcommand{ }{setkeys}
1021 \eqcommand{ }{scriptfont}
1022 \eqcommand{ }{scriptscriptfont}
1023 \eqcommand{ }{scriptscriptstyle}
1024 \eqcommand{ }{scriptsize}
1025 \eqcommand{ }{scripstyle}
1026 \eqcommand{ }{scrollmode}
1027 \eqcommand{ }{section}
1028 \eqcommand{ }{secdef}
1029 \eqcommand{ }{see}
1030 \eqcommand{ }{seealso}
1031 \eqcommand{ }{seename}
1032 \eqcommand{ }{selectfont}
1033 \eqcommand{ }{setboolean}
1034 \eqcommand{ }{setbox}
1035 \eqcommand{ }{setcounter}
1036 \eqcommand{ }{setlength}
1037 \eqcommand{ }{setminus}
1038 \eqcommand{ }{SetSymbolFont}
1039 \eqcommand{ }{settodepth}
1040 \eqcommand{ }{settoheight}
1041 \eqcommand{ }{settowidth}
1042 \eqcommand{ }{sfcode}
1043 \eqcommand{ }{sfdefault}
1044 \eqcommand{ }{sffamily}
1045 \eqcommand{ }{shadowbox}
1046 \eqcommand{ }{sharp}
1047 \eqcommand{ }{shipout}
1048 \eqcommand{ }{shortstack}
1049 \eqcommand{ }{show}
1050 \eqcommand{ }{showbox}

```

```

1051 \eqcommand{      }{showboxbreadth}
1052 \eqcommand{      }{showboxdepth}
1053 \eqcommand{      }{showlists}
1054 \eqcommand{      }{showthe}
1055 \eqcommand{      }{simplefontmode}
1056 \eqcommand{ @}{sist@n}
1057 \eqcommand{      }{skewchar}
1058 \eqcommand{      }{skip}
1059 \eqcommand{ @}{skip@}
1060 \eqcommand{      }{skipdef}
1061 \eqcommand{      }{sl}
1062 \eqcommand{      }{sldefault}
1063 \eqcommand{      }{slshape}
1064 \eqcommand{      }{sloppy}
1065 \eqcommand{      }{slshape}
1066 \eqcommand{ }{small}
1067 \eqcommand{      }{smallskip}
1068 \eqcommand{      }{smallskipamount}
1069 \eqcommand{ }{smash}
1070 \eqcommand{      }{smile}
1071 \eqcommand{      }{snglftlocatencode}
1072 \eqcommand{ }{space}
1073 \eqcommand{      }{spacefactor}
1074 \eqcommand{      }{spaceskip}
1075 \eqcommand{ }{spadesuit}
1076 \eqcommand{      }{span}
1077 \eqcommand{      }{special}
1078 \eqcommand{      }{splitmaxdepth}
1079 \eqcommand{      }{splittopskip}
1080 \eqcommand{      }{star}
1081 \eqcommand{      }{stepcounter}
1082 \eqcommand{ }{stretch}
1083 \eqcommand{      }{string}
1084 \eqcommand{ }{strut}
1085 \eqcommand{      }{strutbox}
1086 \eqcommand{      }{subitem}
1087 \eqcommand{      }{subparagraph}
1088 \eqcommand{      }{subsection}
1089 \eqcommand{      }{substack}
1090 \eqcommand{      }{subsubitem}
1091 \eqcommand{      }{subsubsection}
1092 \eqcommand{      }{subset}
1093 \eqcommand{      }{subseteq}
1094 \eqcommand{      }{supereject}
1095 \eqcommand{      }{suppressfloats}
1096 \eqcommand{@}{@tempa}
1097 \eqcommand{@}{@tempb}
1098 \eqcommand{@}{@tempc}
1099 \eqcommand{@}{@tempd}
1100 \eqcommand{@}{@tempe}

```

```

1101 \eqcommand{@ }{@tempboxa}
1102 \eqcommand{@ }{@tempcnta}
1103 \eqcommand{@ }{@tempcntb}
1104 \eqcommand{@ }{@tempdima}
1105 \eqcommand{@ }{@tempdimb}
1106 \eqcommand{@ }{@tempdimc}
1107 \eqcommand{@ }{@tempskipa}
1108 \eqcommand{@ }{@tempskipb}
1109 \eqcommand{@ }{@tempwafalse}
1110 \eqcommand{@ }{@tempwattrue}
1111 \eqcommand{@ }{@temptokena}
1112 \eqcommand{ }{@thefnmark}
1113 \eqcommand{@ }{@thirdofthree}
1114 \eqcommand{ }{tabbingsep}
1115 \eqcommand{ }{tabcolsep}
1116 \eqcommand{ }{tableofcontents}
1117 \eqcommand{ }{tablename}
1118 \eqcommand{ }{tabskip}
1119 \eqcommand{ }{tabularnewline}
1120 \eqcommand{ }{tag}
1121 \eqcommand{ }{telephone}
1122 \eqcommand{ }{TeX}
1123 \eqcommand{ }{text}
1124 \eqcommand{ }{textbullet}
1125 \eqcommand{ }{textfont}
1126 \eqcommand{ }{textendash}
1127 \eqcommand{ }{textendash}
1128 \eqcommand{ }{textexclamdown}
1129 \eqcommand{ }{textperiodcentered}
1130 \eqcommand{ }{textquestiondown}
1131 \eqcommand{ }{textquotedblleft}
1132 \eqcommand{ }{textquotedblright}
1133 \eqcommand{ }{textquoteleft}
1134 \eqcommand{ }{textquoteright}
1135 \eqcommand{ }{textvisiblespace}
1136 \eqcommand{ }{textbackslash}
1137 \eqcommand{ }{textbar}
1138 \eqcommand{ }{textgreater}
1139 \eqcommand{ }{textless}
1140 \eqcommand{ }{textbf}
1141 \eqcommand{ }{textcircled}
1142 \eqcommand{ }{textcolor}
1143 \eqcommand{ }{textcompwordmark}
1144 \eqcommand{ }{textfloatsep}
1145 \eqcommand{ }{textfraction}
1146 \eqcommand{ }{textheight}
1147 \eqcommand{ }{textindent}
1148 \eqcommand{ }{textit}
1149 \eqcommand{ }{textmd}
1150 \eqcommand{ }{textnormal}

```



```

1151 \eqcommand{    }{textregistered}
1152 \eqcommand{    }{textrm}
1153 \eqcommand{    }{textsc}
1154 \eqcommand{    }{textsf}
1155 \eqcommand{    }{textsl}
1156 \eqcommand{    }{textstyle}
1157 \eqcommand{    }{textsuperscript}
1158 \eqcommand{    }{texttrademark}
1159 \eqcommand{    }{texttt}
1160 \eqcommand{    }{textup}
1161 \eqcommand{    }{textwidth}
1162 \eqcommand{    }{thanks}
1163 \eqcommand{    }{the}
1164 \eqcommand{    }{thempfn}
1165 \eqcommand{    }{thicklines}
1166 \eqcommand{    }{thickmuskip}
1167 \eqcommand{    }{thinmuskip}
1168 \eqcommand{    }{thickspace}
1169 \eqcommand{    }{thinline}
1170 \eqcommand{    }{thinspace}
1171 \eqcommand{    }{thisfancy}
1172 \eqcommand{    }{thispagestyle}
1173 \eqcommand{ @ }{thr@@}
1174 \eqcommand{ }{tilde}
1175 \eqcommand{ }{tiny}
1176 \eqcommand{ }{time}
1177 \eqcommand{ }{times}
1178 \eqcommand{ }{title}
1179 \eqcommand{ }{to}
1180 \eqcommand{ }{today}
1181 \eqcommand{ }{toks}
1182 \eqcommand{ }{toksdef}
1183 \eqcommand{ }{tolerance}
1184 \eqcommand{ }{top}
1185 \eqcommand{ }{topfigrule}
1186 \eqcommand{ }{topfraction}
1187 \eqcommand{ }{topmargin}
1188 \eqcommand{ }{topmark}
1189 \eqcommand{ }{toppageskip}
1190 \eqcommand{ }{topsep}
1191 \eqcommand{ }{topskip}
1192 \eqcommand{ }{totalheight}
1193 \eqcommand{ }{tracingall}
1194 \eqcommand{ }{tracingcommands}
1195 \eqcommand{ }{tracinglostchars}
1196 \eqcommand{ }{tracingmacros}
1197 \eqcommand{ }{tracingonline}
1198 \eqcommand{ }{tracingoutput}
1199 \eqcommand{ }{tracingpages}
1200 \eqcommand{ }{tracingparagraphs}

```

```

1201 \eqcommand{      }{tracingrestores}
1202 \eqcommand{      }{tracingstats}
1203 \eqcommand{ }{triangle}
1204 \eqcommand{      }{ttdefault}
1205 \eqcommand{      }{ttfamily}
1206 \eqcommand{ @}{tw@}
1207 \eqcommand{      }{twocolumn}
1208 \eqcommand{      }{typein}
1209 \eqcommand{      }{typeout}
1210 \eqcommand{      }{uccode}
1211 \eqcommand{      }{uchyph}
1212 \eqcommand{ }{underline}
1213 \eqcommand{      }{unhbox}
1214 \eqcommand{      }{unhcopy}
1215 \eqcommand{      }{unitlength}
1216 \eqcommand{      }{unkern}
1217 \eqcommand{      }{unpenalty}
1218 \eqcommand{      }{unskip}
1219 \eqcommand{      }{unvbox}
1220 \eqcommand{      }{unvcopy}
1221 \eqcommand{      }{updefault}
1222 \eqcommand{      }{upshape}
1223 \eqcommand{      }{usebox}
1224 \eqcommand{      }{usecounter}
1225 \eqcommand{      }{usefont}
1226 \eqcommand{      }{usepackage}
1227 \eqcommand{@      }{@vobeyspaces}
1228 \eqcommand{@      }{@void}
1229 \eqcommand{      }{vadjust}
1230 \eqcommand{      }{valign}
1231 \eqcommand{      }{value}
1232 \eqcommand{      }{vbadness}
1233 \eqcommand{      }{vbox}
1234 \eqcommand{      }{vcenter}
1235 \eqcommand{      }{verb}
1236 \eqcommand{ }{vfil}
1237 \eqcommand{      }{vfill}
1238 \eqcommand{      }{vfilneg}
1239 \eqcommand{      }{vfuzz}
1240 \eqcommand{      }{visible}
1241 \eqcommand{      }{vline}
1242 \eqcommand{      }{voffset}
1243 \eqcommand{ @ }{voidb@x}
1244 \eqcommand{      }{vpageref}
1245 \eqcommand{      }{vrboxsep}
1246 \eqcommand{      }{vref}
1247 \eqcommand{ }{vrule}
1248 \eqcommand{      }{vsize}
1249 \eqcommand{      }{vskip}
1250 \eqcommand{      }{vspace}

```

```

1251 \eqcommand{ }{vsplit}
1252 \eqcommand{ }{vss}
1253 \eqcommand{ }{vtop}
1254 \eqcommand{ }{wd}
1255 \eqcommand{ }{whiledo}
1256 \eqcommand{ }{widehat}
1257 \eqcommand{ }{widetilde}
1258 \eqcommand{ }{widowpenalty}
1259 \eqcommand{ }{width}
1260 \eqcommand{ }{wlog}
1261 \eqcommand{ }{write}
1262 \eqcommand{@ }{@xobeysp}
1263 \eqcommand{ @ }{@xxxii}
1264 \eqcommand{ }{xdef}
1265 \eqcommand{ }{xleaders}
1266 \eqcommand{ }{xspaceskip}
1267 \eqcommand{ }{year}
1268 \eqcommand{@ }{z@}
1269 \eqcommand{@ }{z@skip}

```

## 7.18 color-localise-xepersian.def

```

1270 color{ } \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1271 0}{rgb}{ } \0,,0}
1272 1}{rgb}{ } \1,,1}
1273 1}{rgb}{ } \0,,0}
1274 0}{rgb}{ } \1,,0}
1275 0}{rgb}{ } \0,,1}
1276 1}{cmyk}{ } \0,,0,0}
1277 0}{cmyk}{ } \1,,0,0}
1278 0}{cmyk}{ } \0,,1,0}

```

## 7.19 xepersian-localise-commands-xepersian.def

```

1279 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation o
1280 \eqcommand{ }{autofootnoterule}
1281 \eqcommand{ }{AutoMathsDigits}
1282 \eqcommand{ }{DefaultMathsDigits}
1283 \eqcommand{ @ }{keyval@eq@alias@key}
1284 \eqcommand{ }{deflatinfont}
1285 \eqcommand{ }{defpersianfont}
1286 \eqcommand{ }{hboxL}
1287 \eqcommand{ }{hboxR}
1288 \eqcommand{ }{Latincite}
1289 \eqcommand{ }{latinfont}
1290 \eqcommand{ }{latintoday}
1291 \eqcommand{ }{leftfootnoterule}
1292 \eqcommand{ }{lr}
1293 \eqcommand{ }{LRE}
1294 \eqcommand{ }{LTRdblcol}
1295 \eqcommand{ }{LTRfootnote}

```

```

1296 \eqcommand{ }{LTRfootnotetext}
1297 \eqcommand{ }{LTRthanks}
1298 \eqcommand{ }{persianday}
1299 \eqcommand{ }{persianfont}
1300 \eqcommand{ }{PersianMathsDigits}
1301 \eqcommand{ }{persianmonth}
1302 \eqcommand{ }{persianyear}
1303 \eqcommand{ }{plq}
1304 \eqcommand{ }{prq}
1305 \eqcommand{ }{rightfootnoterule}
1306 \eqcommand{ }{rl}
1307 \eqcommand{ }{RLE}
1308 \eqcommand{ }{RTLdblcol}
1309 \eqcommand{ }{RTLfootnote}
1310 \eqcommand{ }{RTLfootnotetext}
1311 \eqcommand{ }{RTLthanks}
1312 \eqcommand{@ }{@SepMark}
1313 \eqcommand{ }{SepMark}
1314 \eqcommand{ }{setdefaultbibitems}
1315 \eqcommand{ }{setdefaultmarginpar}
1316 \eqcommand{ }{setdigitfont}
1317 \eqcommand{ }{setfootnoteLR}
1318 \eqcommand{ }{setfootnoteRL}
1319 \eqcommand{ }{setlatintextfont}
1320 \eqcommand{ }{setLTR}
1321 \eqcommand{ }{setLTRbibitems}
1322 \eqcommand{ }{setLTRmarginpar}
1323 \eqcommand{ }{setRTL}
1324 \eqcommand{ }{setRTLbibitems}
1325 \eqcommand{ }{setRTLmarginpar}
1326 \eqcommand{ }{settextfont}
1327 \eqcommand{ }{textwidthfootnoterule}
1328 \eqcommand{ }{twocolumnstableofcontents}
1329 \eqcommand{ }{unsetfootnoteRL}
1330 \eqcommand{ }{unsetLTR}
1331 \eqcommand{ }{unsetRTL}
1332 \eqcommand{ }{vboxL}
1333 \eqcommand{ }{vboxR}
1334 \eqcommand{ }{XeLaTeX}
1335 \eqcommand{ }{XePersian}
1336 \eqcommand{ }{xepersianversion}
1337 \eqcommand{ }{xepersiandate}
1338 \eqcommand{ }{XeTeX}

```

## 7.20 enumerate-xepersian.def

```

1339 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1340 \def\@enloop@{%
1341   \ifx entemp@ \def\@tempa{\@enLabel\harfi } \else
1342   \ifx entemp@ \def\@tempa{\@enLabel\adadi } \else

```



```

1390     }
1391   }
1392 }
1393 \ExplSyntaxOff

```

## 7.22 latex-localise-environments-xepersian.def

```

1394 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation o
1395 \eqenvironment{ }{abstract}
1396 \eqenvironment{ }{appendix}
1397 \eqenvironment{ }{array}
1398 \eqenvironment{ }{center}
1399 \eqenvironment{ }{description}
1400 \eqenvironment{ }{displaymath}
1401 \eqenvironment{ }{document}
1402 \eqenvironment{ }{enumerate}
1403 \eqenvironment{ }{figure}
1404 \eqenvironment{ *}{figure*}
1405 \eqenvironment{ }{filecontents}
1406 \eqenvironment{ *}{filecontents*}
1407 \eqenvironment{ }{flushleft}
1408 \eqenvironment{ }{flushright}
1409 \eqenvironment{ }{itemize}
1410 \eqenvironment{ }{letter}
1411 \eqenvironment{ }{list}
1412 \eqenvironment{ }{longtable}
1413 \eqenvironment{ }{lrbox}
1414 \eqenvironment{ }{math}
1415 \eqenvironment{ }{matrix}
1416 \eqenvironment{ }{minipage}
1417 \eqenvironment{ }{multline}
1418 \eqenvironment{ }{note}
1419 \eqenvironment{ }{overlay}
1420 \eqenvironment{ }{picture}
1421 \eqenvironment{ }{quotation}
1422 \eqenvironment{ }{quote}
1423 \eqenvironment{ }{slide}
1424 \eqenvironment{ }{sloppypar}
1425 \eqenvironment{ }{split}
1426 \eqenvironment{ }{subarray}
1427 \eqenvironment{ }{tabbing}
1428 \eqenvironment{ }{table}
1429 \eqenvironment{ *}{table*}
1430 \eqenvironment{ }{tabular}
1431 \eqenvironment{ *}{tabular*}
1432 \eqenvironment{ }{thebibliography}
1433 \eqenvironment{ }{theindex}
1434 \eqenvironment{ }{titlepage}
1435 \eqenvironment{ }{trivlist}
1436 \eqenvironment{ }{verse}

```

## 7.23 xepersian-localise-environments-xepersian.def

```
1437 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisation]
1438 \eqenvironment{ }{\latin}
1439 \eqenvironment{ }{\LTR}
1440 \eqenvironment{ }{\LTRitems}
1441 \eqenvironment{ }{\modernpoem}
1442 \eqenvironment{ *}{\modernpoem*}
1443 \eqenvironment{ }{\persian}
1444 \eqenvironment{ }{\RTL}
1445 \eqenvironment{ }{\RTLitems}
1446 \eqenvironment{ }{\traditionalpoem}
1447 \eqenvironment{ *}{\traditionalpoem*}
```

## 7.24 extarticle-xepersian.def

```
1448 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1449 \renewcommand\thepart { \@tartibi\c@part}
1450 \renewcommand\appendix{\par
1451 \setcounter{section}{0}%
1452 \setcounter{subsection}{0}%
1453 \gdef\thesection{\@harfi\c@section}}
```

## 7.25 extbook-xepersian.def

```
1454 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1455 \renewcommand\frontmatter{%
1456 \cleardoublepage
1457 \@mainmatterfalse
1458 \pagenumbering{harfi}}
1459 \renewcommand \thepart { \@tartibi\c@part}
1460 \renewcommand\appendix{\par
1461 \setcounter{chapter}{0}%
1462 \setcounter{section}{0}%
1463 \gdef\@chapapp{\appendixname}%
1464 \gdef\thechapter{\@harfi\c@chapter}
1465 }%end appendix
```

## 7.26 extrafootnotefeatures-xepersian.def

```
1466 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafootnotefeatures]
1467 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\latinfont\fi}
1468 \renewcommand{\LTRfoottextfont}{\footnotesize\latinfont}
1469 \renewcommand{\RTLfoottextfont}{\footnotesize\persianfont}
```

## 7.27 extreport-xepersian.def

```
1470 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1471 \renewcommand\thepart { \@tartibi\c@part}
1472 \renewcommand\appendix{\par
1473 \setcounter{chapter}{0}%
1474 \setcounter{section}{0}%
1475 \gdef\@chapapp{\appendixname}%
```

```
1476 \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.28 flowfram-xepersian.def

```
1477 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1478 \def\@outputpage{%
1479 \begingroup
1480 \let\protect\noexpand
1481 \@resetactivechars
1482 \global\let\@if@newlist\if@newlist
1483 \global\@newlistfalse\@parboxrestore
1484 \shipout\vbox{\set@typeset@protect
1485 \aftergroup
1486 \endgroup
1487 \aftergroup
1488 \set@typeset@protect
1489 \reset@font\normalsize\normalsfcodes
1490 \let\label@gobble
1491 \let\index@gobble
1492 \let\glossary@gobble
1493 \baselineskip\z@skip
1494 \lineskip\z@skip
1495 \lineskiplimit\z@
1496 \vskip\topmargin\moveright\@themargin
1497 \vbox{%
1498 \vskip\headheight
1499 \vskip\headsep
1500 \box\@outputbox
1501 }}%
1502 \global\let\if@newlist\@if@newlist
1503 \stepcounter{page}%
1504 \setcounter{displayedframe}{0}%
1505 \let\firstmark\botmark}
```

## 7.29 footnote-xepersian.def

```
1506 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1507
1508
1509
1510 \long\def\@footnotetext#1{\insert\footins{%
1511 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1512 \reset@font\footnotesize
1513 \interlinepenalty\interfootnotelinepenalty
1514 \splittopskip\footnotesep
1515 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1516 \hsize\columnwidth \@parboxrestore
1517 \protected@edef\@currentlabel{%
1518 \csname p@footnote\endcsname\@thefnmark
1519 }%
1520 \color@begingroup
```



```

1521 \makefntext{%
1522 \rule{z@footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\stru
1523 \color@endgroup}}%
1524
1525
1526
1527
1528
1529 \long\def\@RTLfootnotetext#1{\insert\footins{%
1530 \@RTLtrue%
1531 \reset@font\footnotesize
1532 \interlinepenalty\interfootnotelinepenalty
1533 \splittopskip\footnotesep
1534 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1535 \hsize\columnwidth \@parboxrestore
1536 \protected@edef\@currentlabel{%
1537 \csname p@footnote\endcsname\@thefnmark
1538 }%
1539 \color@begingroup
1540 \makefntext{%
1541 \rule{z@footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1542 \color@endgroup}}%
1543
1544
1545
1546
1547
1548 \long\def\@LTRfootnotetext#1{\insert\footins{%
1549 \@RTLfalse%
1550 \reset@font\footnotesize
1551 \interlinepenalty\interfootnotelinepenalty
1552 \splittopskip\footnotesep
1553 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1554 \hsize\columnwidth \@parboxrestore
1555 \protected@edef\@currentlabel{%
1556 \csname p@footnote\endcsname\@thefnmark
1557 }%
1558 \color@begingroup
1559 \makefntext{%
1560 \rule{z@footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1561 \color@endgroup}}%
1562
1563 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1564 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1565 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1566
1567
1568
1569 \long\def\@mpfootnotetext#1{%
1570 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoteru

```

```

1571 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1572 \unvbox\@mpfootins
1573 \reset@font\footnotesize
1574 \hsize\columnwidth
1575 \@parboxrestore
1576 \protected@edef\@currentlabel
1577     {\csname p@mpfootnote\endcsname\@thefnmark}%
1578 \color@begingroup
1579     \@makefntext{%
1580     \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\stru
1581 \color@endgroup}}
1582
1583
1584
1585
1586
1587 \long\def\@mpRTLfootnotetext#1{%
1588 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
1589 \global\setbox\@mpfootins\vbox{\@RTLtrue%
1590 \unvbox\@mpfootins
1591 \reset@font\footnotesize
1592 \hsize\columnwidth
1593 \@parboxrestore
1594 \protected@edef\@currentlabel
1595     {\csname p@mpfootnote\endcsname\@thefnmark}%
1596 \color@begingroup
1597     \@makefntext{%
1598     \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1599 \color@endgroup}}
1600
1601
1602 \long\def\@mpLTRfootnotetext#1{%
1603 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
1604 \global\setbox\@mpfootins\vbox{\@RTLfalse%
1605 \unvbox\@mpfootins
1606 \reset@font\footnotesize
1607 \hsize\columnwidth
1608 \@parboxrestore
1609 \protected@edef\@currentlabel
1610     {\csname p@mpfootnote\endcsname\@thefnmark}%
1611 \color@begingroup
1612     \@makefntext{%
1613     \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1614 \color@endgroup}}

```

### 7.30 framed-xepersian.def

```

1615 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package for
1616 \renewenvironment{titled-frame}[1]{%
1617 \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt

```

```

1618 \TitleBarFrame{\textbf{#1}}}%
1619 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1620 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1621 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1622 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (\if@RTL
1623 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1624 \TitleBarFrame{\textbf{#1\ (\if@RTL else\ cont\fi)}}}%
1625 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1626 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1627 % could interfere with the width measurement.
1628 {\endMakeFramed}

```

### 7.31 glossaries-xepersian.def

```

1629 \ProvidesFile{glossaries-xepersian.def}[2013/04/27 v0.2 xepersian adaptations for glossaries pa
1630 \newcommand*{\gls@harfipage}{\@harfi\c@page}
1631 \newcommand*{\gls@tartibipage}{\@tartibi\c@page}
1632 \newcommand*{\gls@adadipage}{\@adadi\c@page}
1633 \renewcommand{\gls@protected@pagefmts}{%
1634 \gls@numberpage,\gls@alphpage,\gls@Alphpage,\gls@romanpage,\gls@Romanpage,\gls@harfipage,\gls
1635 }
1636 \renewcommand*{\@do@wrglossary}[1]{%
1637 \begingroup
1638 \let\orgthe\the
1639 \let\orgnumber\number
1640 \let\orgromannumeral\romannumeral
1641 \let\orgalph\@alph
1642 \let\orgAlph\@Alph
1643 \let\orgRoman\@Roman
1644 \let\orgharfi\@harfi
1645 \let\orgadadi\@adadi
1646 \let\orgtartibi\@tartibi
1647 \def\the##1{%
1648 \ifx##1\c@page \gls@numberpage\else\orgthe##1\fi}%
1649 \def\number##1{%
1650 \ifx##1\c@page \gls@numberpage\else\orgnumber##1\fi}%
1651 \def\romannumeral##1{%
1652 \ifx##1\c@page \gls@romanpage\else\orgromannumeral##1\fi}%
1653 \def\@Roman##1{%
1654 \ifx##1\c@page \gls@Romanpage\else\orgRoman##1\fi}%
1655 \def\@alph##1{%
1656 \ifx##1\c@page \gls@alphpage\else\orgalph##1\fi}%
1657 \def\@Alph##1{%
1658 \ifx##1\c@page \gls@Alphpage\else\orgAlph##1\fi}%
1659 \def\@harfi##1{%
1660 \ifx##1\c@page \gls@harfipage\else\orgharfi##1\fi}%
1661 \def\@adadi##1{%
1662 \ifx##1\c@page \gls@adadipage\else\orgadadi##1\fi}%
1663 \def\@tartibi##1{%
1664 \ifx##1\c@page \gls@tartibipage\else\orgtartibi##1\fi}%

```

```

1665 \gls@disablepagerefexpansion
1666 \protected@xdef\@glslocref{\theHglentrycounter}%
1667 \endgroup
1668 \@gls@checkmkidxchars\@glslocref
1669 \expandafter\ifx\theHglentrycounter\theHglentrycounter
1670 \def\@glo@counterprefix{%
1671 \else
1672 \protected@edef\@glsHlocref{\theHglentrycounter}%
1673 \@gls@checkmkidxchars\@glsHlocref
1674 \edef\@do@gls@getcounterprefix{\noexpand\@gls@getcounterprefix
1675 {\@glslocref}{\@glsHlocref}%
1676 }%
1677 \do@gls@getcounterprefix
1678 \fi
1679 \ifglxindy
1680 \expandafter\@glo@check@mkidxrangechar\@glsnumberformat\@nil
1681 \def\@glo@range{%
1682 \expandafter\if\@glo@prefix(\relax
1683 \def\@glo@range{:open-range}%
1684 \else
1685 \expandafter\if\@glo@prefix)\relax
1686 \def\@glo@range{:close-range}%
1687 \fi
1688 \fi
1689 \glossary[\csname glo@#1@type\endcsname]{%
1690 (indexentry :tkey (\csname glo@#1@index\endcsname)
1691 :locref \string{\@glo@counterprefix}{\@glslocref}\string" %
1692 :attr \string"\@gls@counter\@glo@suffix\string"
1693 \@glo@range
1694 )
1695 }%
1696 \else
1697 \set@glo@numformat{\@glo@numfmt}{\@gls@counter}{\@glsnumberformat}%
1698 {\@glo@counterprefix}%
1699 \glossary[\csname glo@#1@type\endcsname]{%
1700 \string\glossaryentry{\csname glo@#1@index\endcsname
1701 \@gls@encapchar\@glo@numfmt}{\@glslocref}}%
1702 \fi
1703 }

```

### 7.32 hyperref-xepersian.def

```

1704 \ProvidesFile{hyperref-xepersian.def}[2013/04/09 v0.5 bilingual captions for hyperref package]
1705 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1706 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1707 \def\itemautorefname{\if@RTL else\ item\fi}%
1708 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1709 \def\tableautorefname{\if@RTL else\ Table\fi}%
1710 \def\partautorefname{\if@RTL else\ Part\fi}%
1711 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%

```

```

1712 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1713 \def\sectionautorefname{\if@RTL else\ section\fi}%
1714 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1715 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1716 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1717 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1718 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1719 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1720 \def\pageautorefname{\if@RTL else\ page\fi}%
1721 \AtBeginDocument{%
1722 \let\HyOrg@appendix\appendix
1723 \def\appendix{%
1724 \ltx@ifundefined{chapter}%
1725 {\gdef\theHsection{\Alph{section}}}%
1726 {\gdef\theHchapter{\Alph{chapter}}}%
1727 \xdef\Hy@chapapp{\Hy@appendixstring}%
1728 \HyOrg@appendix
1729 }
1730 }
1731 \pdfstringdefDisableCommands{%
1732 \let\lr\@firstofone
1733 \let\rl\@firstofone
1734 \def\XePersian{\XePersian}
1735 }

```

### 7.33 imspoc-xepersian.def

```

1736 \ProvidesFile{imspoc-xepersian.def}[2013/04/26 v0.3 implementation of imspoc class for xepersi
1737 \newenvironment{thebibliography}[1]{%
1738 \@bibtitlestyle
1739 \normalfont\bibliofont\labelsep .5em\relax
1740 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
1741 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1742 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
1743 \leftmargin\labelwidth \advance\leftmargin\labelsep
1744 \usecounter{enumiv}}%
1745 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1746 \sfcode`\.=\@m
1747 }{%
1748 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1749 \endlist
1750 }
1751 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
1752 \columnseprule\z@ \columnsep 35\p@
1753 \@indextitlestyle
1754 \thispagestyle{plain}%
1755 \let\item\@idxitem
1756 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1757 \if@RTL\raggedleft\else\raggedright\fi
1758 \hyphenpenalty\@M

```

```

1759 \footnotesize}
1760 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
1761 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
1762 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
1763 \renewcommand \thepart {\@tartibi\c@part}
1764 \def\appendix{\par\c@section\z@ \c@subsection\z@
1765 \let\sectionname\appendixname
1766 \def\thesection{\@harfi\c@section}}
1767 \def\right@footnoterule{%
1768 \hbox to \columnwidth
1769 {\beginR \vbox{\kern-.4\p@
1770 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
1771 \def\left@footnoterule{\kern-.4\p@
1772 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1773 \def\@makefnmark{%
1774 \leavevmode
1775 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
1776 }
1777
1778
1779
1780 \long\def\@footnotetext#1{%
1781 \insert\footins{%
1782 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1783 \normalfont\footnotesize
1784 \interlinepenalty\interfootnotelinepenalty
1785 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1786 \floatingpenalty\@MM \hsize\columnwidth
1787 \@parboxrestore \parindent\normalparindent \sloppy
1788 \protected@edef\@currentlabel{%
1789 \csname p@footnote\endcsname\@thefnmark}%
1790 \@makefnmark}%
1791 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
1792
1793
1794
1795
1796
1797 \long\def\@RTLfootnotetext#1{%
1798 \insert\footins{%
1799 \@RTLtrue%
1800 \normalfont\footnotesize
1801 \interlinepenalty\interfootnotelinepenalty
1802 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1803 \floatingpenalty\@MM \hsize\columnwidth
1804 \@parboxrestore \parindent\normalparindent \sloppy
1805 \protected@edef\@currentlabel{%
1806 \csname p@footnote\endcsname\@thefnmark}%
1807 \@makefnmark}%
1808 \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}

```

```

1809
1810
1811
1812
1813
1814
1815
1816 \long\def\@LTRfootnotetext#1{%
1817   \insert\footins{%
1818     \@RTLfalse%
1819     \normalfont\footnotesize
1820     \interlinepenalty\interfootnotelinepenalty
1821     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1822     \floatingpenalty\@MM \hsize\columnwidth
1823     \@parboxrestore \parindent\normalparindent \sloppy
1824     \protected@edef\@currentlabel{%
1825       \csname p@footnote\endcsname\@thefnmark}%
1826     \@makefnintext{%
1827       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
1828
1829 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\bidi@footdir@footnote}
1830 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1831 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1832
1833 \def\part{\@startsection{part}{0}%
1834   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
1835   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1836 \def\@tocline#1#2#3#4#5#6#7{\relax
1837   \ifnum #1>\c@tocdepth % then omit
1838   \else
1839     \par \addpenalty\@secpenalty\addvspace{#2}%
1840     \begingroup \hyphenpenalty\@M
1841     \@ifempty{#4}{%
1842       \@tempdima\csname r@tocindent\@number#1\endcsname\relax
1843     }{%
1844       \@tempdima#4\relax
1845     }%
1846     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
1847     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1848     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1849     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1850     \nobreak
1851   \endgroup
1852   \fi}
1853 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1854 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1855 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1856 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1857 \def\maketitle{\par
1858   \@topnum\z@ % this prevents figures from falling at the top of page 1

```

```

1859 \@setcopyright
1860 \thispagestyle{firstpage}% this sets first page specifications
1861 \uppercasenonmath\shorttitle
1862 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1863 \else \andify\shortauthors
1864 \fi
1865 \@maketitle@hook
1866 \begingroup
1867 \@maketitle
1868 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
1869 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
1870 \edef\@tempa{%
1871     \@nx\markboth{\the\toks4
1872         \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1873 \@tempa
1874 \endgroup
1875 \c@footnote\z@
1876 \@cleartopmattertags
1877 }

```

### 7.34 kashida-xepersian.def

```

1878 \ProvidesFile{kashida-xepersian.def}[2013/11/15 v0.3 implementation of Kashida for xepersian pac
1879 \chardef\xepersian@zwj="200D % zero-width joiner
1880
1881 \chardef\xepersian@D=10 % dual-joiner class
1882 \chardef\xepersian@L=11 % lam
1883 \chardef\xepersian@R=12 % right-joiner
1884 \chardef\xepersian@A=13 % alef
1885 \chardef\xepersian@V=256 % vowel or other combining mark (to be ignored)
1886 \def\xepersian@kashida{\xepersian@zwj\nobreak%
1887     \leaders\hrule height \XeTeXglyphbounds2 \the\XeTeXcharglyph"0640 depth \XeTeXglyphbounds4 \
1888
1889 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1890     \expandafter\dosetclass\charlist,\end}
1891 \def\dosetclass#1,#2\end{%
1892     \def\test{#1}\def\charlist{#2}%
1893     \ifx\test\empty\let\next\finishsetclass
1894     \else \XeTeXcharclass "\test = \theclass
1895         \let\next\dosetclass \fi
1896     \expandafter\next\charlist,,\end}
1897 \def\finishsetclass#1,,\end{}
1898
1899 \setclass \xepersian@A {0622,0623,0625,0627}
1900 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1901 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1902 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1903 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1904 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1905 \setclass \xepersian@L {0644}

```



```

1906 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1907
1908 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1909 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1910 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1911 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1912 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1913 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1914 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1915 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1916
1917 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
1918 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
1919 \KashidaOn

```

### 7.35 listings-xepersian.def

```

1920 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1921 \def\lstlistingname{\if@RTL else\    Listing\fi}
1922 \def\lstlistlistingname{\if@RTL    else\    Listings\fi}

```

### 7.36 loadingorder-xepersian.def

```

1923 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the last]
1924 \bidi@isloaded{algorithmic}
1925 \bidi@isloaded{algorithm}
1926 \bidi@isloaded{backref}
1927 \bidi@isloaded{enumerate}
1928 \bidi@isloaded{tocloft}
1929 \bidi@isloaded{url}
1930 \AtBeginDocument{
1931   \if@bidi@algorithmicloaded@ \else
1932     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1933   \fi%
1934   \if@bidi@algorithmloaded@ \else
1935     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1936   \fi%
1937   \if@bidi@backrefloaded@ \else
1938     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1939   \fi%
1940   \if@bidi@enumerateloaded@ \else
1941     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1942   \fi%
1943   \if@bidi@tocloftloaded@ \else
1944     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1945   \fi%
1946   \if@bidi@urlloaded@ \else
1947     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1948   \fi%
1949 }

```

## 7.37 localise-xepersian.def

```

1950 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1951 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1952 \makezwnjletter
1953 \newcommand*\{eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1954 \newcommand*\{eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1955 \@ifpackageloaded{keyval}{%
1956 \newcommand*\keyval@eq@alias@key[4][KV]{%
1957   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1958   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1959 }{\@ifpackageloaded{xkeyval}{%
1960 \newcommand*\keyval@eq@alias@key[4][KV]{%
1961   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1962   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1963 }{}}
1964 \input{latex-localise-commands-xepersian.def}
1965 \input{xepersian-localise-commands-xepersian.def}
1966 \input{latex-localise-environments-xepersian.def}
1967 \input{xepersian-localise-environments-xepersian.def}
1968 \input{latex-localise-messages-xepersian.def}
1969 \input{latex-localise-misc-xepersian.def}
1970 \input{packages-localise-xepersian.def}
1971 \aliasfontfeature{ExternalLocation}{ }
1972 \aliasfontfeature{ExternalLocation}{ }
1973 \aliasfontfeature{Renderer}{ }
1974 \aliasfontfeature{BoldFont}{ }
1975 \aliasfontfeature{Language}{ }
1976 \aliasfontfeature{Script}{ }
1977 \aliasfontfeature{UprightFont}{ }
1978 \aliasfontfeature{ItalicFont}{ }
1979 \aliasfontfeature{BoldItalicFont}{ }
1980 \aliasfontfeature{SlantedFont}{ }
1981 \aliasfontfeature{BoldSlantedFont}{ }
1982 \aliasfontfeature{SmallCapsFont}{ }
1983 \aliasfontfeature{UprightFeatures}{ }
1984 \aliasfontfeature{BoldFeatures}{ }
1985 \aliasfontfeature{ItalicFeatures}{ }
1986 \aliasfontfeature{BoldItalicFeatures}{ }
1987 \aliasfontfeature{SlantedFeatures}{ }
1988 \aliasfontfeature{BoldSlantedFeatures}{ }
1989 \aliasfontfeature{SmallCapsFeatures}{ }
1990 \aliasfontfeature{SizeFeatures}{ }
1991 \aliasfontfeature{Scale}{ }
1992 \aliasfontfeature{WordSpace}{ }
1993 \aliasfontfeature{PunctuationSpace}{ }
1994 \aliasfontfeature{FontAdjustment}{ }
1995 \aliasfontfeature{LetterSpace}{ }
1996 \aliasfontfeature{HyphenChar}{ }
1997 \aliasfontfeature{Color}{ }

```

```

1998 \aliasfontfeature{Opacity}{ }
1999 \aliasfontfeature{Mapping}{ }
2000 \aliasfontfeature{Weight}{ }
2001 \aliasfontfeature{Width}{ }
2002 \aliasfontfeature{OpticalSize}{ }
2003 \aliasfontfeature{FakeSlant}{ }
2004 \aliasfontfeature{FakeStretch}{ }
2005 \aliasfontfeature{FakeBold}{ }
2006 \aliasfontfeature{AutoFakeSlant}{ }
2007 \aliasfontfeature{AutoFakeBold}{ }
2008 \aliasfontfeature{Ligatures}{ }
2009 \aliasfontfeature{Alternate}{ }
2010 \aliasfontfeature{Variant}{ }
2011 \aliasfontfeature{Variant}{ }
2012 \aliasfontfeature{CharacterVariant}{ }
2013 \aliasfontfeature{Style}{ }
2014 \aliasfontfeature{Annotation}{ }
2015 \aliasfontfeature{RawFeature}{ }
2016 \aliasfontfeature{CharacterWidth}{ }
2017 \aliasfontfeature{Numbers}{ }
2018 \aliasfontfeature{Contextuals}{ }
2019 \aliasfontfeature{Diacritics}{ }
2020 \aliasfontfeature{Letters}{ }
2021 \aliasfontfeature{Kerning}{ }
2022 \aliasfontfeature{VerticalPosition}{ }
2023 \aliasfontfeature{Fractions}{ }
2024 \aliasfontfeatureoption{Language}{Default}{ }
2025 \aliasfontfeatureoption{Language}{Parsi}{ }
2026 \aliasfontfeatureoption{Script}{Parsi}{ }
2027 \aliasfontfeatureoption{Script}{Latin}{ }
2028 \aliasfontfeatureoption{Style}{MathScript}{ }
2029 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

### 7.38 memoir-xepersian.def

```

2300 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
2301 \renewcommand{\@memfront}{%
2302   \@smemfront\pagenumbering{harfi}}
2303 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
2304 \renewcommand*{\thebook}{\@tartibi\c@book}
2305 \renewcommand*{\thepart}{\@tartibi\c@part}
2306 \renewcommand{\appendix}{\par
2307   \setcounter{chapter}{0}%
2308   \setcounter{section}{0}%
2309   \gdef\@chapapp{\appendixname}%
2310   \gdef\thechapter{\@harfi\c@chapter}%
2311   \anappendixtrue}

```

### 7.39 latex-localise-messages-xepersian.def

```

2042 latex} \-localise-messages-xepersian.def[2011/03/01 v0.1 localising LaTeX2e messages]

```

## 7.40 minitoc-xepersian.def

```
2043 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
2044 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
2045 \def\plftitle{\if@RTL else\ List of Figures\fi}%
2046 \def\plttitle{\if@RTL else\ List of Tables\fi}%
2047 \def\mtctitle{\if@RTL else\ Contents\fi}%
2048 \def\mlftitle{\if@RTL else\ Figures\fi}%
2049 \def\mlttitle{\if@RTL else\ Tables\fi}%
2050 \def\stctitle{\if@RTL else\ Contents\fi}%
2051 \def\slftitle{\if@RTL else\ Figures\fi}%
2052 \def\slttitle{\if@RTL else\ Tables\fi}%
```

## 7.41 latex-localise-misc-xepersian.def

```
2053 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisa
2054 %}1# \ \
2055 \@ \ @ \ \
2056 \1# \
2057 \1# @\
2058 \1# @\
2059 {@ \ \
2060 %}2#1# @\ \
2061 %1# \ @\ \ \ \ \
2062 \2# \ @\ \
2063 {{2#1# \}}
2064 undefined\ \ \
2065
2066 %{ \ \ \ \1#} \ \} \1# \ \
2067 \ { \ \ \
2068 \ \ \
2069
2070
2071 \ \ \ \%} \#1
2072 \1#} \ \ \% \
2073 \ \ \ \
2074 }%
2075 \
2076 \ \ \
2077 }
2078 \= \ \
2079
2080
2081 \ifdefinitionfileloaded{latex-xetex-bidi}{%
2082 \def\@xfloat #1[#2]{%
2083 \@nodocument
2084 \def \@capytype {#1}%
2085 \def \@fps {#2}%
2086 \@onelevel@sanitize \@fps
2087 \def \reserved@b {!}%
2088 \ifx \reserved@b \@fps
```

```

2089     \@fpsadddefault
2090 \else
2091     \ifx \@fps \@empty
2092     \@fpsadddefault
2093 \fi
2094 \fi
2095 \ifhmode
2096     \@bsphack
2097     \@floatpenalty -\@Mii
2098 \else
2099     \@floatpenalty-\@Miii
2100 \fi
2101 \ifinner
2102     \@parmoderr\@floatpenalty\z@
2103 \else
2104     \@next\@currbox\@freelist
2105     {%
2106         \@tempcnta \sixt@@n
2107         \expandafter \@tfor \expandafter \reserved@a
2108             \expandafter :\expandafter =\@fps
2109         \do
2110         {%
2111             \if \reserved@a h%
2112                 \ifodd \@tempcnta
2113                 \else
2114                     \advance \@tempcnta \@ne
2115                 \fi
2116             \fi
2117             \if \reserved@a %
2118                 \ifodd \@tempcnta
2119                 \else
2120                     \advance \@tempcnta \@ne
2121                 \fi
2122             \fi
2123             \if \reserved@a t%
2124                 \@setfpsbit \tw@
2125             \fi
2126             \if \reserved@a %
2127                 \@setfpsbit \tw@
2128             \fi
2129             \if \reserved@a b%
2130                 \@setfpsbit 4%
2131             \fi
2132             \if \reserved@a %
2133                 \@setfpsbit 4%
2134             \fi
2135             \if \reserved@a p%
2136                 \@setfpsbit 8%
2137             \fi
2138             \if \reserved@a %

```

```

2139         \@setfpsbit 8%
2140     \fi
2141     \if \reserved@a !%
2142         \ifnum \@tempcnta>15
2143             \advance\@tempcnta -\sixt@@n\relax
2144         \fi
2145     \fi
2146 }%
2147 \@tempcntb \csname ftype@\@capttype \endcsname
2148 \multiply \@tempcntb \@xxxii
2149 \advance \@tempcnta \@tempcntb
2150 \global \count\@currbox \@tempcnta
2151 }%
2152 \@fltovf
2153 \fi
2154 \global \setbox\@currbox
2155     \color@vbox
2156     \normalcolor
2157     \vbox \bgroup
2158         \hsize\columnwidth
2159         \@parboxrestore
2160         \@floatboxreset
2161 }
2162 \let\bm@ \bm@c
2163 \let\bm@ \bm@l
2164 \let\bm@ \bm@r
2165 \let\bm@ \bm@b
2166 \let\bm@ \bm@t
2167 \let\bm@ \bm@s
2168 \long\def\@iiiparbox#1#2[#3]#4#5{%
2169     \leavevmode
2170     \@pboxswfalse
2171     \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2172     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
2173     \setlength\@tempdima{#4}%
2174     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
2175     \ifx\relax#2\else
2176         \setlength\@tempdimb{#2}%
2177         \edef\@parboxto{to\the\@tempdimb}%
2178     \fi
2179     \if#1b\vbox
2180     \else\if#1 \vbox
2181     \else\if #1t\top
2182     \else\if \top\ #1
2183     \else\ifmmode\center
2184     \else\@pboxswtrue $\center
2185     \fi\fi\fi\fi\fi
2186     \@parboxto{\let\hss\vss\let\unhbox\unvbox
2187         \csname bm@#3\endcsname}%
2188     \if@pboxsw \m@th$\fi

```

```

2189 \end@tempboxa}
2190 \def\@iiiminipage#1#2[#3]#4{%
2191 \leavevmode
2192 \@pboxswfalse
2193 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2194 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
2195 \setlength\@tempdima{#4}%
2196 \def\@mpargs{{#1}{#2}[#3]{#4}}%
2197 \setbox\@tempboxa\vbox\bgroup
2198 \color@begingroup
2199 \hsize\@tempdima
2200 \textwidth\hsize \columnwidth\hsize
2201 \@parboxrestore
2202 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2203 \let\@footnotetext\@mpfootnotetext
2204 \let\@LTRfootnotetext\@mpLTRfootnotetext
2205 \let\@RTLfootnotetext\@mpRTLfootnotetext
2206 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2207 \@minipagerestore
2208 \@setminipage}
2209 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2210 \ifnum \@lastchclass=3 5 \else
2211 \z@ \if #1c\@chnum \z@ \else
2212 \if chnum@\ #1 \z@ \else
2213 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2214 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2215 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2216 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2217 \@chclass \if #1|\@ne \else
2218 \if #1@\tw@ \else
2219 \if #1p3 \else
2220 \if 3#1 \else \z@ \@preamerr 0\fi
2221 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2222 \fi}%
2223 }{}
2224 \ifdefinitionfileloaded{array-xetex-bidi}{%
2225 \def\@testpach{\@chclass
2226 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2227 \ifnum \@lastchclass=7 5 \else
2228 \ifnum \@lastchclass=8 \tw@ \else
2229 \ifnum \@lastchclass=9 \thr@@
2230 \else \z@
2231 \ifnum \@lastchclass = 10 \else
2232 \edef\@nextchar{\expandafter\string\@nextchar}%
2233 \@chnum
2234 \if \@nextchar c\z@ \else
2235 \if \@nextchar @z\ \else
2236 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2237 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2238 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else

```

```

2239     \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2240     \z@ \@chclass
2241     \if\@nextchar |\@one \else
2242     \if \@nextchar !6 \else
2243     \if \@nextchar @7 \else
2244     \if \@nextchar <8 \else
2245     \if \@nextchar >9 \else
2246     10
2247     \@chnum
2248     \if \@nextchar m\thr@@\else
2249     \if \@nextchar thr@@\else\
2250     \if \@nextchar p4 \else
2251     \if \@nextchar 4 \else
2252     \if \@nextchar b5 \else
2253     \if \@nextchar 5 \else
2254     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
2255     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2256 }{}
2257 \@ifdefinitionfileloaded{arydshln-xetex-bidi}{
2258 \ifadl@usingarypkg
2259 \def\@testpach{\@chclass
2260 \ifnum \@lastchclass=6 \@one \@chnum \@one \else
2261 \ifnum \@lastchclass=7 5 \else
2262 \ifnum \@lastchclass=8 \tw@ \else
2263 \ifnum \@lastchclass=9 \thr@@
2264 \else \z@
2265 \ifnum \@lastchclass = 10 \else
2266 \edef\@nextchar{\expandafter\string\@nextchar}%
2267 \@chnum
2268 \if \@nextchar c\z@ \else
2269 \if \@nextchar @z\ \else
2270 \if \@nextchar \if@RTLtab r\else l\fi\@one \else
2271 \if \@nextchar \if@RTLtab else\ fi\@one\ \else
2272 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2273 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2274 \z@ \@chclass
2275 \if\@nextchar |\@one \let\@arrayrule\adl@arrayrule \else
2276 \if\@nextchar : \@one \let\@arrayrule\adl@arraydashrule \else
2277 \if\@nextchar ; \@one \let\@arrayrule\adl@argarraydashrule \else
2278 \if \@nextchar !6 \else
2279 \if \@nextchar @7 \else
2280 \if \@nextchar <8 \else
2281 \if \@nextchar >9 \else
2282     10
2283     \@chnum
2284     \if \@nextchar m\thr@@\else
2285     \if \@nextchar thr@@\else\
2286     \if \@nextchar p4 \else
2287     \if \@nextchar 4 \else
2288     \if \@nextchar b5 \else

```



```

2289 \if \@nextchar 5 \else
2290 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2291 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2292
2293 \def\@classz{\@classx
2294 \@tempcnta \count@
2295 \prepnext@tok
2296 \@addtopreamble{\ifcase \@chnum
2297 \hfil
2298 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2299 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2300 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2301 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2302 \adl@endmbox\or
2303 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2304 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2305 \fi}\prepnext@tok}
2306 \def\adl@class@start{4}
2307 \def\adl@class@iiiorvii{7}
2308
2309 \else
2310 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2311 \ifnum \@lastchclass=\thr@@ 5\relax \else
2312 \z@ \if #1c\@chnum \z@ \else
2313 \if \@chnum\z@\ #1 \else
2314 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
2315 \if \if@RTLtab#1 \else#1 \fi\@chnum \@one \else
2316 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2317 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2318 \@chclass
2319 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
2320 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
2321 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
2322 \if #1@ \tw@ \else
2323 \if #1p \thr@@ \else
2324 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2325 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2326
2327 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2328 \or \or \@addamp \or
2329 \@acolampacol \or \@firstampfalse \@acol \fi
2330 \edef\@preamble{\@preamble
2331 \ifcase \@chnum
2332 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
2333 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
2334 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
2335 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2336 \or \or \@addamp \or
2337 \@acolampacol \or \@firstampfalse \@acol \fi
2338 \edef\@preamble{\@preamble

```

```

2339         \ifcase \@chnum
2340             \hfil\adl@putlrc{\@sharp\unskip}\hfil
2341             \or \adl@putlrc{\@sharp\unskip}\hfil
2342             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2343 \def\adl@class@start{6}
2344 \def\adl@class@iiiorvii{3}
2345 \fi
2346 }{}
2347 \ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2348 \def\@testpach{\@chclass
2349 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2350 \ifnum \@lastchclass=7 5 \else
2351 \ifnum \@lastchclass=8 \tw@ \else
2352 \ifnum \@lastchclass=9 \thr@@
2353 \else \z@
2354 \ifnum \@lastchclass = 10 \else
2355 \edef\@nextchar{\expandafter\string\@nextchar}%
2356 \@chnum
2357 \if \@nextchar c\z@ \else
2358 \if \@nextchar @z\ \else
2359 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2360 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2361 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2362 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2363 \if \@nextchar C7 \else
2364 \if \@nextchar 7 \else
2365 \if \@nextchar L8 \else
2366 \if \@nextchar 8 \else
2367 \if \@nextchar R9 \else
2368 \if \@nextchar 9 \else
2369 \if \@nextchar J10 \else
2370 \if \@nextchar 10 \else
2371 \z@ \@chclass
2372 \if \@nextchar |\@ne \else
2373 \if \@nextchar !6 \else
2374 \if \@nextchar @7 \else
2375 \if \@nextchar <8 \else
2376 \if \@nextchar >9 \else
2377 10
2378 \@chnum
2379 \if \@nextchar m\thr@@\else
2380 \if \@nextchar thr@@\else\
2381 \if \@nextchar p4 \else
2382 \if \@nextchar 4 \else
2383 \if \@nextchar b5 \else
2384 \if \@nextchar 5 \else
2385 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2386 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
2387 }{}
2388 \ifdefinitionfileloaded{float-xetex-bidi}{%

```

```

2389 \let\@float@Hx\@xfloat
2390 \def\@xfloat#1[{\@ifnextchar{H}{\@float@HH{#1}}{\@ifnextchar{ }{\@float@{1#} }{\@float@Hx{#1} }}
2391 \def\@float@HH#1[H]{%
2392   \expandafter\let\csname end#1\endcsname\float@endH
2393   \let\@currbox\float@box
2394   \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2395   \expandafter\ifx\csname fst#1\endcsname\relax
2396     \@flstylefalse\else\@flstyletrue\fi
2397   \setbox\@currbox\color@vbox\normalcolor
2398   \vbox\bgroup \hsize\columnwidth \@parboxrestore
2399   \@floatboxreset \@setnobreak
2400   \ignorespaces}
2401 \def\@float@[ ]1# {%
2402   \expandafter\let\csname end#1\endcsname\float@endH
2403   \let\@currbox\float@box
2404   \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2405   \expandafter\ifx\csname fst#1\endcsname\relax
2406     \@flstylefalse\else\@flstyletrue\fi
2407   \setbox\@currbox\color@vbox\normalcolor
2408   \vbox\bgroup \hsize\columnwidth \@parboxrestore
2409   \@floatboxreset \@setnobreak
2410   \ignorespaces}
2411 }{}
2412 \begingroup \catcode `|=0 \catcode `[= 1
2413 \catcode`]=2 \catcode `\{=12 \catcode `\}=12
2414 \catcode`\|=12 \gdef\@sx@xepersian@localize@verbatim#1\[[      ] |1#]{      }
2415 \gdef\@sx@xepersian@localize@verbatim#1\[[*      ] |1#]{*      }
2416 \endgroup
2417 \def\@frenchspacing\@vobeyspaces \@sx@xepersian@localize@verbatim}
2418 \def\endlist {\if@newlist \leavevmode\fi\endtrivlist}
2419 \ExplSyntaxOn
2420 \AtBeginDocument{\@namedef{*\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@localize@verbatim}
2421 \ExplSyntaxOff
2422 \expandafter\let\csname end* \endcsname =\end

```

## 7.42 natbib-xepersian.def

```

2423 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2424 \renewcommand\NAT@set@cites{%
2425   \ifNAT@numbers
2426     \ifNAT@super \let\@cite\NAT@citesuper
2427     \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2428     \let\citeyearpar=\citeyear
2429     \let\NAT@space\relax
2430     \def\NAT@super@kern{\kern\p@}%
2431   \else
2432     \let\NAT@mbox=\mbox
2433     \let\@cite\NAT@citenum
2434     \let\NAT@space\NAT@spacechar
2435     \let\NAT@super@kern\relax

```

```

2436 \fi
2437 \let\@citex\NAT@citexnum
2438 \let\@Latincitex\NAT@Latin@citexnum
2439 \let\@biblabel\NAT@biblabelnum
2440 \let\@bibsetup\NAT@bibsetnum
2441 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2442 \def\natexlab##1{%
2443 \def\NAT@penalty{\penalty\@m}%
2444 \else
2445 \let\@cite\NAT@cite
2446 \let\@citex\NAT@citex
2447 \let\@Latincitex\NAT@Latin@citex
2448 \let\@biblabel\NAT@biblabel
2449 \let\@bibsetup\NAT@bibsetup
2450 \let\NAT@space\NAT@spacechar
2451 \let\NAT@penalty\@empty
2452 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2453 \def\natexlab##1{##1}%
2454 \fi}
2455 \newcommand\NAT@Latin@citex{}
2456 \def\NAT@Latin@citex%
2457 [#1][#2]#3{%
2458 \NAT@reset@parser
2459 \NAT@sort@cites{#3}%
2460 \NAT@reset@citea
2461 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2462 \@for\@citeb:=\NAT@cite@list\do
2463 {\@safe@activetrue
2464 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2465 \@safe@activesfalse
2466 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2467 {\reset@font\bfseries ?}\NAT@citeundefined
2468 \PackageWarning{natbib}%
2469 {Citation `'\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2470 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2471 \NAT@parse{\@citeb}%
2472 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2473 \let\NAT@name=\NAT@all@names
2474 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2475 \fi
2476 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2477 \let\NAT@nm\NAT@name\fi
2478 \ifNAT@swa\ifcase\NAT@ctype
2479 \if\relax\NAT@date\relax
2480 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2481 \else
2482 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2483 \ifx\NAT@last@yr\NAT@year
2484 \def\NAT@temp{?}%
2485 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%

```

```

2486         {Multiple citation on page \thepage: same authors and
2487         year\MessageBreak without distinguishing extra
2488         letter,\MessageBreak appears as question mark}\fi
2489         \NAT@hyper@{\NAT@exlab}%
2490     \else\unskip\NAT@spacechar
2491         \NAT@hyper@{\NAT@date}%
2492     \fi
2493 \else
2494     \@citea\NAT@hyper@{%
2495         \NAT@nmfmt{\NAT@nm}%
2496         \hyper@natlinkbreak{%
2497             \NAT@aysep\NAT@spacechar}{\@citeb\@extra\b@citeb
2498             }%
2499         \NAT@date
2500     }%
2501 \fi
2502 \fi
2503 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2504 \or\@citea\NAT@hyper@{\NAT@date}%
2505 \or\@citea\NAT@hyper@{\NAT@alias}%
2506 \fi \NAT@def@citea
2507 \else
2508     \ifcase\NAT@ctype
2509     \if\relax\NAT@date\relax
2510         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2511     \else
2512         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2513             \ifx\NAT@last@yr\NAT@year
2514                 \def\NAT@temp{?}%
2515                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2516                 {Multiple citation on page \thepage: same authors and
2517                 year\MessageBreak without distinguishing extra
2518                 letter,\MessageBreak appears as question mark}\fi
2519                 \NAT@hyper@{\NAT@exlab}%
2520             \else
2521                 \unskip\NAT@spacechar
2522                 \NAT@hyper@{\NAT@date}%
2523             \fi
2524         \else
2525             \@citea\NAT@hyper@{%
2526                 \NAT@nmfmt{\NAT@nm}%
2527                 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2528                 {\@citeb\@extra\b@citeb}%
2529                 \NAT@date
2530             }%
2531         \fi
2532     \fi
2533 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2534 \or\@citea\NAT@hyper@{\NAT@date}%
2535 \or\@citea\NAT@hyper@{\NAT@alias}%

```

```

2536 \fi
2537 \if\relax\NAT@date\relax
2538 \NAT@def@citea
2539 \else
2540 \NAT@def@citea@close
2541 \fi
2542 \fi
2543 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2544 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2545 \newcommand\NAT@Latin@citexnum{}
2546 \def\NAT@Latin@citexnum[#1][#2]#3{%
2547 \NAT@reset@parser
2548 \NAT@sort@cites{#3}%
2549 \NAT@reset@citea
2550 \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2551 \@for\@citeb:=\NAT@cite@list\do
2552 {\@safe@activestrue
2553 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2554 \@safe@activesfalse
2555 \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2556 {\reset@font\bfseries?}
2557 \NAT@citeundefined\PackageWarning{natbib}%
2558 {Citation '\@citeb' on page \thepage \space undefined}}%
2559 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2560 \NAT@parse{\@citeb}%
2561 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2562 \let\NAT@name=\NAT@all@names
2563 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2564 \fi
2565 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2566 \let\NAT@nm\NAT@name\fi
2567 \ifNAT@swa
2568 \@ifnum{\NAT@ctype>\@ne}{%
2569 \@citea
2570 \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2571 }{%
2572 \@ifnum{\NAT@cmprs>\z@}{%
2573 \NAT@ifcat@num\NAT@num
2574 {\let\NAT@nm=\NAT@num}%
2575 {\def\NAT@nm{-2}}%
2576 \NAT@ifcat@num\NAT@last@num
2577 {\@tempcnta=\NAT@last@num\relax}%
2578 {\@tempcnta\m@ne}%
2579 \@ifnum{\NAT@nm=\@tempcnta}{%
2580 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%
2581 }{%
2582 \advance\@tempcnta by\@ne
2583 \@ifnum{\NAT@nm=\@tempcnta}{%
2584 \ifx\NAT@last@yr\relax
2585 \def\NAT@last@yr{\@citea}%

```

```

2586         \else
2587         \def@NAT@last@yr{--\NAT@penalty}%
2588         \fi
2589     }{%
2590         \NAT@last@yr@mbox
2591     }%
2592 }%
2593 }{%
2594     \@tempswatrue
2595 \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2596     \if@tempswa\NAT@citea@mbox\fi
2597 }%
2598 }%
2599 \NAT@def@citea
2600 \else
2601     \ifcase\NAT@ctype
2602     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2603     \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2604     \fi
2605     \if*#1*\else#1\NAT@spacechar\fi
2606     \NAT@mbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2607     \NAT@def@citea@box
2608     \or
2609     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2610     \or
2611     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2612     \or
2613     \NAT@hyper@citea@space\NAT@alias
2614     \fi
2615 \fi
2616 }%
2617 }%
2618 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2619 \ifNAT@swa\else
2620     \@ifnum{\NAT@ctype=\z@}{%
2621         \if*#2*\else\NAT@cmt#2\fi
2622     }{%
2623         \NAT@mbox{\NAT@@close}%
2624     \fi
2625 }}{#1}{#2}%
2626 }%
2627 \AtBeginDocument{\NAT@set@cites}
2628 \DeclareRobustCommand\Latincite
2629 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2630 \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2631 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2632     \ifNAT@numbers\else
2633     \NAT@swafalse
2634     \fi
2635     \NAT@@Latin@@citetp[]}}

```

```

2636 \newcommand\NAT@@Latin@@citetp{}
2637 \def\NAT@@Latin@@citetp[#1]{\ifnextchar[{\@Latincitex[#1]}{\@Latincitex[][#1]}}

```

## 7.43 packages-localise-xepersian.def

```

2638 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2639 color} \}{color} @\-localise-xepersian.def}}{}
2640 \ifpackageloaded{multicol}{%
2641 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2642 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2643 }{}
2644 \ifpackageloaded{verbatim}{%
2645 \begingroup
2646 \vrb@catcodes
2647 \lccode`!=`\ \lccode`\[=`\{ \lccode`\]=`\}
2648 \catcode`\~= \active \lccode`\~=\^M
2649 \lccode`\C=\C
2650 \lowercase{\endgroup
2651 \def\xepersian@localize@verbatim@start#1{%
2652 \verbatim@startline
2653 \if\noexpand#1\noexpand~%
2654 \let\next\xepersian@localize@verbatim@
2655 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2656 \next}%
2657 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2658 \def\xepersian@localize@verbatim@@#1! {%
2659 \verbatim@addtoline{#1}%
2660 \futurelet\next\xepersian@localize@verbatim@@@}%
2661 \def\xepersian@localize@verbatim@@@#1\@nil{%
2662 \ifx\next\@nil
2663 \verbatim@processline
2664 \verbatim@startline
2665 \let\next\xepersian@localize@verbatim@
2666 \else
2667 \def\@tempa##1! \@nil{##1}%
2668 \@temptokena{! }%
2669 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2670 \fi \next}%
2671 \def\xepersian@localize@verbatim@test#1{%
2672 \let\next\xepersian@localize@verbatim@test
2673 \if\noexpand#1\noexpand~%
2674 \expandafter\verbatim@addtoline
2675 \expandafter{\the\@temptokena}%
2676 \verbatim@processline
2677 \verbatim@startline
2678 \let\next\xepersian@localize@verbatim@
2679 \else \if\noexpand#1
2680 \@temptokena\expandafter{\the\@temptokena#1}%
2681 \else \if\noexpand#1\noexpand[%
2682 \let\@tempc\@empty

```



```

2683         \let\next\xepersian@localize@verbatim@testend
2684     \else
2685         \expandafter\verbatim@addtoline
2686         \expandafter{\the\@temptokena}%
2687         \def\next{\xepersian@localize@verbatim@#1}%
2688     \fi\fi\fi
2689     \next}%
2690 \def\xepersian@localize@verbatim@testend#1{%
2691     \if\noexpand#1\noexpand~%
2692         \expandafter\verbatim@addtoline
2693         \expandafter{\the\@temptokena[]}%
2694         \expandafter\verbatim@addtoline
2695         \expandafter{\@tempc}%
2696         \verbatim@processline
2697         \verbatim@startline
2698         \let\next\xepersian@localize@verbatim@
2699     \else\if\noexpand#1\noexpand]%
2700         \let\next\xepersian@localize@verbatim@@testend
2701     \else\if\noexpand#1\noexpand!%
2702         \expandafter\verbatim@addtoline
2703         \expandafter{\the\@temptokena[]}%
2704         \expandafter\verbatim@addtoline
2705         \expandafter{\@tempc}%
2706         \def\next{\xepersian@localize@verbatim@!}%
2707     \else \expandafter\def\expandafter\@tempc\expandafter
2708         {\@tempc#1}\fi\fi\fi
2709     \next}%
2710 \def\xepersian@localize@verbatim@@testend{%
2711     \ifx\@tempc\@currenvir
2712         \verbatim@finish
2713         \edef\next{\noexpand\end{\@currenvir}}%
2714         \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%
2715     \else
2716         \expandafter\verbatim@addtoline
2717         \expandafter{\the\@temptokena[]}%
2718         \expandafter\verbatim@addtoline
2719         \expandafter{\@tempc[]}%
2720         \let\next\xepersian@localize@verbatim@
2721     \fi
2722     \next}%
2723 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2724     \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2725 \def\
2726     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2727     \xepersian@localize@verbatim@start}
2727 \@namedef{
2728     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2728 \def\end
2729     {\endtrivlist\endgroup\@doendpe}
2729 \expandafter\let\csname end
2730     *\endcsname =\end
2730 }{}
2731 \ExplSyntaxOn
2732 \AtBeginDocument{

```

```

2733 \xepersian_localize_patch_verbatim:
2734 }
2735 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2736   \@ifpackageloaded{verbatim}{
2737     \cs_set:cpn {*      } }
2738     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@start
2739   }
2740   }{
2741   }
2742 }
2743 \ExplSyntaxOff
2744 \@ifpackageloaded{graphicx}{%
2745 \def\Gin@boolkey#1#2{%
2746   \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2747     \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2true\endcsname}%
2748   \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2749     \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2false\endcsname}%
2750   \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}%
2751 \define@key{Grot}{origin}[c]{%
2752   \@tfor\@tempa:=#1\do{%
2753     \if l\@tempa \Grot@x\z@\else
2754     \if tempa@ \Grot@x\z@\else
2755     \if r\@tempa \Grot@x\width\else
2756     \if tempa@ \Grot@x\width\else
2757     \if t\@tempa \Grot@y\height\else
2758     \if tempa@ \Grot@y\height\else
2759     \if b\@tempa \Grot@y-\depth\else
2760     \if tempa@ \Grot@y-\depth\else
2761     \if B\@tempa \Grot@y\z@\else
2762     \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2763 {draft}{ }{Gin} @ \
2764 {origin}{ }{Gin} @ \
2765 {origin}{ }{Grot} @ \
2766 {clip}{ }{Gin} @ \
2767 {keepaspectratio}{ }{Gin} @ \
2768 {natwidth}{ }{Gin} @ \
2769 {natheight}{ }{Gin} @ \
2770 {bb}{ }{Gin} @ \
2771 {viewport}{ }{Gin} @ \
2772 {trim}{ }{Gin} @ \
2773 {angle}{ }{Gin} @ \
2774 {width}{ }{Gin} @ \
2775 {height}{ }{Gin} @ \
2776 {totalheight}{ }{Gin} @ \
2777 {scale}{ }{Gin} @ \
2778 {type}{ }{Gin} @ \
2779 {ext}{ }{Gin} @ \
2780 {read}{ }{Gin} @ \
2781 {command}{ }{Gin} @ \
2782 {x}{ }{Grot} @ \

```

```

2783 {y}{ }{Grot} @ \
2784 {units}{ }{Grot} @ \
2785 }{}

```

## 7.44 parsidigits.map

```

2786 LHSName "Digits"
2787 RHSName "ParsiDigits"
2788
2789 pass(Unicode)
2790 U+0030 <> U+06F0 ;
2791 U+0031 <> U+06F1 ;
2792 U+0032 <> U+06F2 ;
2793 U+0033 <> U+06F3 ;
2794 U+0034 <> U+06F4 ;
2795 U+0035 <> U+06F5 ;
2796 U+0036 <> U+06F6 ;
2797 U+0037 <> U+06F7 ;
2798 U+0038 <> U+06F8 ;
2799 U+0039 <> U+06F9 ;
2800
2801
2802 U+002C <> U+060C ; comma > arabic comma
2803 U+003F <> U+061F ; question mark -> arabic qm
2804 U+003B <> U+061B ; semicolon -> arabic semicolon
2805
2806 ; ligatures from Knuth's original CMR fonts
2807 U+002D U+002D <> U+2013 ; -- -> en dash
2808 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2809
2810 U+0027 <> U+2019 ; ' -> right single quote
2811 U+0027 U+0027 <> U+201D ; '' -> right double quote
2812 U+0022 > U+201D ; " -> right double quote
2813
2814 U+0060 <> U+2018 ; ` -> left single quote
2815 U+0060 U+0060 <> U+201C ; `` -> left double quote
2816
2817 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2818 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2819
2820 ; additions supported in T1 encoding
2821 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2822 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2823 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 7.45 rapport1-xepersian.def

```

2824 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2825 \renewcommand*\thepart{\@tartibi\c@part}
2826 \renewcommand*\appendix{\par
2827   \setcounter{chapter}{0}%

```

```

2828 \setcounter{section}{0}%
2829 \gdef\@chapapp{\appendixname}%
2830 \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.46 rapport3-xepersian.def

```

2831 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2832 \renewcommand*\thepart{\@tartibi\c@part}
2833 \renewcommand*\appendix{\par
2834 \setcounter{chapter}{0}%
2835 \setcounter{section}{0}%
2836 \gdef\@chapapp{\appendixname}%
2837 \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.47 refrep-xepersian.def

```

2838 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2839 \renewcommand \thepart {\@tartibi\c@part}
2840 \renewcommand\appendix{\par
2841 \setcounter{chapter}{0}%
2842 \setcounter{section}{0}%
2843 \gdef\@chapapp{\appendixname}%
2844 \gdef\thechapter{\@harfi\c@chapter}
2845 }%end appendix

```

## 7.48 report-xepersian.def

```

2846 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2847 \renewcommand \thepart {\@tartibi\c@part}
2848 \renewcommand\appendix{\par
2849 \setcounter{chapter}{0}%
2850 \setcounter{section}{0}%
2851 \gdef\@chapapp{\appendixname}%
2852 \gdef\thechapter{\@harfi\c@chapter}
2853 }%end appendix

```

## 7.49 scrartcl-xepersian.def

```

2854 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2855 \renewcommand*{\thepart}{\@tartibi\c@part}
2856 \renewcommand*\appendix{\par%
2857 \setcounter{section}{0}%
2858 \setcounter{subsection}{0}%
2859 \gdef\thesection{\@harfi\c@section}%
2860 \csname appendixmore\endcsname
2861 }
2862 \renewcommand*{\@maybeautodot}[1]{%
2863 \ifx #1\@stop\let\@maybeautodot\relax
2864 \else
2865 \ifx #1\harfi \@autodottrue\fi
2866 \ifx #1\adadi \@autodottrue\fi
2867 \ifx #1\tartibi \@autodottrue\fi
2868 \ifx #1\Alph \@autodottrue\fi

```

```

2869 \ifx #1\alph \@autodottrue\fi
2870 \ifx #1\Roman \@autodottrue\fi
2871 \ifx #1\roman \@autodottrue\fi
2872 \ifx #1\@harfi \@autodottrue\fi
2873 \ifx #1\@adadi \@autodottrue\fi
2874 \ifx #1\@tartibi \@autodottrue\fi
2875 \ifx #1\@Alph \@autodottrue\fi
2876 \ifx #1\@alph \@autodottrue\fi
2877 \ifx #1\@Roman \@autodottrue\fi
2878 \ifx #1\@roman \@autodottrue\fi
2879 \ifx #1\romannumeral \@autodottrue\fi
2880 \fi
2881 \@maybeautodot
2882 }

```

## 7.50 scrbook-xepersian.def

```

2883 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2884 \renewcommand*\frontmatter{%
2885   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2886   \@mainmatterfalse\pagenumbering{harfi}%
2887 }
2888 \renewcommand*{\thepart}{\@tartibi\c@part}
2889 \renewcommand*\appendix{\par%
2890   \setcounter{chapter}{0}%
2891   \setcounter{section}{0}%
2892   \gdef\@chapapp{\appendixname}%
2893   \gdef\thechapter{\@harfi\c@chapter}%
2894   \csname appendixmore\endcsname
2895 }
2896 \renewcommand*{\@maybeautodot}[1]{%
2897   \ifx #1\@stop\let\@maybeautodot\relax
2898   \else
2899     \ifx #1\harfi \@autodottrue\fi
2900     \ifx #1\adadi \@autodottrue\fi
2901     \ifx #1\tartibi \@autodottrue\fi
2902     \ifx #1\Alph \@autodottrue\fi
2903     \ifx #1\alph \@autodottrue\fi
2904     \ifx #1\Roman \@autodottrue\fi
2905     \ifx #1\roman \@autodottrue\fi
2906     \ifx #1\@harfi \@autodottrue\fi
2907     \ifx #1\@adadi \@autodottrue\fi
2908     \ifx #1\@tartibi \@autodottrue\fi
2909     \ifx #1\@Alph \@autodottrue\fi
2910     \ifx #1\@alph \@autodottrue\fi
2911     \ifx #1\@Roman \@autodottrue\fi
2912     \ifx #1\@roman \@autodottrue\fi
2913     \ifx #1\romannumeral \@autodottrue\fi
2914   \fi
2915   \@maybeautodot

```

2916 }

## 7.51 scrreprt-xepersian.def

```
2917 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2918 \renewcommand*{\thepart}{\@tartibi\c@part}
2919 \renewcommand*{\appendix}{\par%
2920   \setcounter{chapter}{0}%
2921   \setcounter{section}{0}%
2922   \gdef\@chapapp{\appendixname}%
2923   \gdef\thechapter{\@harfi\c@chapter}%
2924   \csname appendixmore\endcsname
2925 }
2926 \renewcommand*{\@maybeautodot}[1]{%
2927   \ifx #1\@stop\let\@maybeautodot\relax
2928   \else
2929     \ifx #1\harfi \@autodottrue\fi
2930     \ifx #1\adadi \@autodottrue\fi
2931     \ifx #1\tartibi \@autodottrue\fi
2932     \ifx #1\Alph \@autodottrue\fi
2933     \ifx #1\alph \@autodottrue\fi
2934     \ifx #1\Roman \@autodottrue\fi
2935     \ifx #1\roman \@autodottrue\fi
2936     \ifx #1\@harfi \@autodottrue\fi
2937     \ifx #1\@adadi \@autodottrue\fi
2938     \ifx #1\@tartibi \@autodottrue\fi
2939     \ifx #1\@Alph \@autodottrue\fi
2940     \ifx #1\@alph \@autodottrue\fi
2941     \ifx #1\@Roman \@autodottrue\fi
2942     \ifx #1\@roman \@autodottrue\fi
2943     \ifx #1\romannumeral \@autodottrue\fi
2944   \fi
2945   \@maybeautodot
2946 }
```

## 7.52 tkz-linknodes-xepersian.def

```
2947 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes package]
2948 \renewcommand*{\@SetTab}{%
2949   \let\@alph\@latinalph%
2950   \ifnum \value{C@NumTab}>25\relax%
2951     \setcounter{C@NumTab}{1}%
2952   \else%
2953     \stepcounter{C@NumTab}%
2954   \fi%
2955   \setcounter{C@NumGroup}{0}%
2956 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2957 \setboolean{B@FirstLink}{true}
2958 \setboolean{B@NewGroup}{false}
2959 \setcounter{C@NumGroup}{0}
2960 \setcounter{C@CurrentGroup}{0}
```

```

2961 \setcounter{NumC@Node}{0}
2962 \setcounter{NumC@Stop}{0}
2963 \setcounter{C@NextNode}{0}
2964 \setcounter{C@CurrentStop}{0}
2965 \setcounter{C@CurrentNode}{0}
2966 }%

```

### 7.53 tocloft-xepersian.def

```

2967 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2968 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2969 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2970 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2971 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2972 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2973 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2974 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2975 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2976 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2977 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

### 7.54 xepersian.sty

```

2978 \NeedsTeXFormat{LaTeX2e}
2979 \def\xepersianversion{v14.2}
2980 \def\xepersiandate{2014/08/25}
2981 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2982 Persian typesetting in XeLaTeX]
2983 \RequirePackage{fontspec}
2984 \RequirePackage{xepersian-persiancal}
2985 \RequirePackage{xepersian-mathsdigitspec}
2986 \RequirePackage[RTLdocument]{bidi}
2987 \edef\@xepersian@info{*****^^J%
2988 * ^^J%
2989 * xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
2990 * ^^J%
2991 * Description: The package supports Persian^^J%
2992 * typesetting, using fonts provided in the^^J%
2993 * distribution.^^J%
2994 * ^^J%
2995 * Copyright © 2008-2013 Vafa Khalighi^^J%
2996 * ^^J%
2997 * \xepersianversion, \xepersiandate^^J%
2998 * ^^J%
2999 * License: LaTeX Project Public License, version^^J%
3000 * 1.3c or higher (your choice)^^J%
3001 * ^^J%
3002 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
3003 * ^^J%
3004 * Issue tracker: https://github.com/vafa/xepersian/issues^^J%
3005 * ^^J%

```

```

3006 * Support: persian-tex@tug.org^^J%
3007 *****}
3008 \typeout{\@xepersian@info}
3009 \edef\xepersian@everyjob{\the\everyjob}
3010 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
3011 \def\prq{«}
3012 \def\plq{»}
3013 \def\xepersian@cmds@temp#1{%
3014   \begingroup\expandafter\expandafter\expandafter\endgroup
3015   \expandafter\ifx\csname xepersian@#1\endcsname\relax
3016     \begingroup
3017       \escapechar=-1 %
3018       \edef\x{\expandafter\meaning\csname#1\endcsname}%
3019       \def\y{#1}%
3020       \def\z##1->{}%
3021       \edef\y{\expandafter\z\meaning\y}%
3022     \expandafter\endgroup
3023     \ifx\x\y
3024       \expandafter\def\csname xepersian@#1\expandafter\endcsname
3025       \expandafter{%
3026         \csname#1\endcsname
3027       }%
3028     \fi
3029   \fi
3030 }%
3031 \xepersian@cmds@temp{shellescape}
3032 \newif\ifwritexviii
3033 \ifnum\xepersian@shellescape=1\relax
3034   \writexviiitrue
3035 \else
3036   \writexviiifalse
3037 \fi
3038 \newfontscript{Parsi}{arab}
3039 \newfontlanguage{Parsi}{FAR}
3040 \ExplSyntaxOn
3041 \DeclareDocumentCommand \settextfont { 0 } m { {
3042   \fontspec_select:nn{Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}
3043   \use:x {
3044     \exp_not:N \DeclareRobustCommand \exp_not:N \persianfont {
3045       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3046       \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3047     }
3048   }
3049   \cs_set_eq:NN \rmdefault \l_fontspec_family_tl
3050   \normalfont
3051 }
3052 \DeclareDocumentCommand \setlatintextfont { 0 } m { {
3053   \fontspec_select:nn{Mapping=tex-text,#1}{#2}
3054   \use:x {
3055     \exp_not:N \DeclareRobustCommand \exp_not:N \latinfont {

```



```

3056     \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3057     \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3058   }
3059 }
3060 }
3061 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic}]
3062 \cs_set_eq:NN \setlatinsansfont \setsansfont
3063 \cs_set_eq:NN \setlatinmonofont \setmonofont
3064 \DeclareDocumentCommand \defpersianfont { m O{} m } {
3065   \fontspec_select:nn{Script=Parsi,Language=Parsi,Mapping=parsidigits,#2}{#3}
3066   \use:x {
3067     \exp_not:N \DeclareRobustCommand \exp_not:N #1 {
3068       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3069       \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3070     }
3071   }
3072 }
3073 \DeclareDocumentCommand \deflatinfont { m O{} m } {
3074   \fontspec_select:nn{Mapping=tex-text,#2}{#3}
3075   \use:x {
3076     \exp_not:N \DeclareRobustCommand \exp_not:N #1 {
3077       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3078       \exp_not:N \fontfamily {\l_fontspec_family_tl} \exp_not:N \selectfont
3079     }
3080   }
3081 }
3082 \newcommand\persiansfdefault{}
3083 \newcommand\persianttdefault{}
3084 \newcommand\iranicsfdefault{}
3085 \newcommand\navarsfdefault{}
3086 \newcommand\pookdefault{}
3087 \newcommand\sayehdefault{}
3088 \DeclareRobustCommand\persiansffamily
3089   {\not@math@alphabet\persiansffamily\mathpersiansf
3090    \fontfamily\persiansfdefault\selectfont}
3091 \DeclareRobustCommand\persianttfamily
3092   {\not@math@alphabet\persianttfamily\mathpersiantt
3093    \fontfamily\persianttdefault\selectfont}
3094 \DeclareRobustCommand\iranicsfamily
3095   {\not@math@alphabet\iranicsfamily\mathiranics
3096    \fontfamily\iranicsdefault\selectfont}
3097 \DeclareRobustCommand\navarsfamily
3098   {\not@math@alphabet\navarsfamily\mathnavar
3099    \fontfamily\navardefault\selectfont}
3100 \DeclareRobustCommand\pookfamily
3101   {\not@math@alphabet\pookfamily\mathpook
3102    \fontfamily\pookdefault\selectfont}
3103 \DeclareRobustCommand\sayehfamily
3104   {\not@math@alphabet\sayehfamily\mathsayeh
3105    \fontfamily\sayehdefault\selectfont}

```

```

3106 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3107 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3108 \DeclareTextFontCommand{\textiranica}{\iranicafamily}
3109 \DeclareTextFontCommand{\textnavar}{\navarfamilly}
3110 \DeclareTextFontCommand{\textpook}{\pookfamily}
3111 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3112 \DeclareDocumentCommand \setpersiansansfont { 0{ } m } {
3113   \fontspec_set_family:Nnn \persiansfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}
3114   \normalfont
3115 }
3116 \DeclareDocumentCommand \setpersianmonofont { 0{ } m } {
3117   \fontspec_set_family:Nnn \persianttdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}
3118   \normalfont
3119 }
3120 \DeclareDocumentCommand \setnavarfont { 0{ } m } {
3121   \fontspec_set_family:Nnn \navardefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}
3122   \normalfont
3123 }
3124 \DeclareDocumentCommand \setpookfont { 0{ } m } {
3125   \fontspec_set_family:Nnn \pookdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}
3126   \normalfont
3127 }
3128 \DeclareDocumentCommand \setsayehfont { 0{ } m } {
3129   \fontspec_set_family:Nnn \sayehdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}
3130   \normalfont
3131 }
3132 \DeclareDocumentCommand \setiranicafont { 0{ } m } {
3133   \fontspec_set_family:Nnn \iranicafontdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}
3134   \normalfont
3135 }
3136 \ExplSyntaxOff
3137 \def\resetlatinfont{%
3138 \let\normalfont\latinfont%
3139 \let\reset@font\normalfont%
3140 \latinfont}
3141 \def\setpersianfont{%
3142 \let\normalfont\persianfont%
3143 \let\reset@font\normalfont%
3144 \persianfont}
3145 \bidi@newrobustcmd*{\lr}[1]{\LRE{\@Latintrue\latinfont#1}}
3146 \bidi@newrobustcmd*{\rl}[1]{\RLE{\@Latinfalse\persianfont#1}}
3147 \def\latin{\LTR\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3148 \def\endlatin{\endLTR}
3149 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3150 \def\endpersian{\endRTL}
3151 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3152 \newenvironment{persiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3153 \let\originaltoday=\today
3154 \def\latintoday{\lr{\originaltoday}}
3155 \def\today{\rl{\persiantoday}}

```

```

3156 \def \LTRmarginparreset {%
3157     \reset@font
3158     \latinfont
3159     \normalsize
3160     \@minipagetrue
3161     \everypar{\@minipagefalse\everypar{}\beginL}%
3162 }
3163 \DeclareRobustCommand\Latincite{%
3164     \ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}}
3165 \def\@Latincitex[#1]#2{\leavevmode
3166     \let\@citea\@empty
3167     \@cite{\lr{\@for\@citeb:=#2\do
3168         {\@citea\def\@citea{,\penalty\@m\ }%
3169         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
3170         \if@files\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3171         \ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
3172         \G@refundefinedtrue
3173         \latex@warning
3174             {Citation `'\@citeb' on page \thepage \space undefined}}%
3175         {\@cite@ofmt{\csname b@\@citeb\endcsname}}}}{#1}}
3176 \def\@outputpage{%
3177     \begingroup           % the \endgroup is put in by \aftergroup
3178     \let \protect \noexpand
3179     \@resetactivechars
3180     \global\let\@@if@newlist\if@newlist
3181     \global\@newlistfalse
3182     \@parboxrestore
3183     \shipout \vbox{%
3184         \set@typeset@protect
3185         \aftergroup \endgroup
3186         \aftergroup \set@typeset@protect
3187                                     % correct? or just restore by ending
3188                                     % the group?
3189     \if@specialpage
3190         \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
3191     \fi
3192     \if@twoside
3193         \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
3194             \let\@themargin\oddsidemargin
3195         \else \let\@thehead\@evenhead
3196             \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
3197         \fi
3198         \ifx\@thehead\@empty \let\@thehead\hfil \fi
3199         \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
3200         \else %% not @twoside
3201             \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3202             \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
3203         \fi
3204     \reset@font
3205     \normalsize

```

```

3206 \if@RTLmain\setpersianfont\else\resetlatinfont\fi
3207 \normalsfcodes
3208 \let\label\@gobble
3209 \let\index\@gobble
3210 \let\glossary\@gobble
3211 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3212 \begin{document}
3213 \vskip \topmargin
3214 \moveright\@themargin \vbox {%
3215   \setbox\@tempboxa \vbox to\headheight{%
3216     \vfil
3217     \color@hbox
3218     \normalcolor
3219     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLmain
3220       \color@endbox
3221     }%
3222     \dp\@tempboxa \z@
3223     \box\@tempboxa
3224     \vskip \headsep
3225     \box\@outputbox
3226     \baselineskip \footskip
3227     \color@hbox
3228     \normalcolor
3229     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLmain
3230       \color@endbox
3231     }%
3232   }%
3233 \global\let\if@newlist\@if@newlist
3234 \global \colht \textheight
3235 \stepcounter{page}%
3236 \let\firstmark\botmark
3237 }
3238 \newcommand\twocolumnstableofcontents{%
3239 \@ifpackageloaded{multicol}{%
3240   \begin{multicols}{2}[\section*{\contentsname}]%
3241     \small
3242     \starttoc{toc}%
3243   \end{multicols}}
3244 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for be
3245 \def\XePersian{\leavevmode$\smash{\hbox{X}\lower.5ex
3246   \hbox{\kern-.125em\@bidi@reflect@box{E}}Persian}}$}
3247 \def\figurename{\if@RTL else\ Figure\fi}
3248 \def\tablename{\if@RTL else\ Table\fi}
3249 \def\contentsname{\if@RTL else\ Contents\fi}
3250 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3251 \def\listtablename{\if@RTL else\ List of Tables\fi}
3252 \def\appendixname{\if@RTL else\ Appendix\fi}
3253 \def\indexname{\if@RTL else\ Index\fi}
3254 \def\refname{\if@RTL else\ References\fi}

```

```

3255 \def\abstractname{\if@RTL else\ Abstract\fi}
3256 \def\partname{\if@RTL else\ Part\fi}
3257 \def\datename{\if@RTL else\ Date\fi}
3258 \def\and{\if@RTL else\ and\fi}
3259 \def\bibname{\if@RTL else\ Bibliography\fi}
3260 \def\chaptername{\if@RTL else\ Chapter\fi}
3261 \def\ccname{\if@RTL else\ cc\fi}
3262 \def\enclname{\if@RTL else\ encl\fi}
3263 \def\pagename{\if@RTL else\ Page\fi}
3264 \def\headtoname{\if@RTL else\ To\fi}
3265 \def\proofname{\if@RTL else\ Proof\fi}
3266 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3267 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3268 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3269 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3270 \let\harfinumeral\@harfi
3271 \newcommand{\adadi}[1]{%
3272 \expandafter\@adadi\csname c@#1\endcsname%
3273 }
3274 \newcommand{\@adadi}[1]{%
3275 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
3276 }
3277 \let\adadinumeral\@adadi%
3278 \def\xepersian@numberoutofrange#1#2{%
3279 \PackageError{xepersian}{The number `#1' is too large %
3280 to be formatted using xepersian}{The largest possible %
3281 number is 999,999,999.}%
3282 }
3283 \def\xepersian@numberstring#1#2#3#4{%
3284 \ifnum\number#1<\@ne%
3285 #3%
3286 \else\ifnum\number#1<1000000000 %
3287 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3288 \else%
3289 \xepersian@numberoutofrange{#1}{#4}%
3290 \fi\fi%
3291 }
3292 \def\xepersian@adadi#1#2{%
3293 \expandafter\xepersian@@adadi%
3294 \ifcase%
3295 \ifnum#1<10 1%
3296 \else\ifnum#1<100 2%
3297 \else\ifnum#1<\@m 3%
3298 \else\ifnum#1<\@M 4%
3299 \else\ifnum#1<100000 5%
3300 \else\ifnum#1<1000000 6%
3301 \else\ifnum#1<10000000 7%
3302 \else\ifnum#1<100000000 8%
3303 \else9%
3304 \fi\fi\fi\fi\fi\fi\fi\fi %

```

```

3305 \or00000000#1% case 1: Add 8 leading zeros
3306 \or00000000#1% case 2: Add 7 leading zeros
3307 \or0000000#1% case 3: Add 6 leading zeros
3308 \or00000#1% case 4: Add 5 leading zeros
3309 \or0000#1% case 5: Add 4 leading zeros
3310 \or000#1% case 6: Add 3 leading zeros
3311 \or00#1% case 7: Add 2 leading zeros
3312 \or0#1% case 8: Add 1 leading zero
3313 \or#1% case 9: Add no leading zeros
3314 \or%
3315 \@nil#2%
3316 \fi%
3317 }
3318 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3319 \ifnum#1#2#3>\z@
3320 \xepersian@milyoongan#1#2#3%
3321 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3322 \fi%
3323 \ifnum#4#5#6>\z@%
3324 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3325 \ifnum#4#5#6>\@ne\fi%
3326 %
3327 \ifnum#7>\z@\ \fi%
3328 \fi%
3329 \xepersian@sadgan#7{#4#5#6}1#9%
3330 }
3331 \def\xepersian@milyoongan#1#2#3{%
3332 \ifnum#1#2#3=\@ne%
3333 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3334 %
3335 %
3336 \else%
3337 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3338 %
3339 %
3340 \fi%
3341 }
3342 \def\xepersian@sadgan#1#2#3#4#5#6{%
3343 \ifnum#1>\z@%
3344 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3345 %
3346 \ifnum#2#3>\z@\ \fi%
3347 \fi%
3348 \ifnum#2#3<20%
3349 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3350 \else%
3351 \xepersian@dahgan#2%
3352 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3353 #60%
3354 \fi%

```

```

3355 }
3356 \def\xepersian@yekani#1{%
3357 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3358 \or or\ or\ or\ or\ or\ or\ %
3359 \or or\ or\ or\ %
3360 \or or\ %fi\
3361 }
3362 \def\xepersian@yekanii#1{%
3363 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3364 }
3365 \def\xepersian@yekaniii#1{%
3366 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3367 }
3368 \def\xepersian@yekaniv#1{%
3369 \ifcase#1\@empty\or or\ or\ or\ or\ %
3370 \or or\ or\ %fi\
3371 }
3372 \def\xepersian@dahgan#1{%
3373 \ifcase#1\or or\ or\ or\ %
3374 \or or\ or\ or\ %
3375 \or %fi\
3376 }
3377 \newcommand{\tartibi}[1]{%
3378 \expandafter\@tartibi\csname c@#1\endcsname%
3379 }
3380 \newcommand{\@tartibi}[1]{%
3381 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3382 }
3383 \let\tartibinumeral\@tartibi%
3384 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3385 \ifnum\number#1<\@ne%
3386 #3%
3387 \else\ifnum\number#1<1000000000 %
3388 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3389 \else%
3390 \xepersian@numberoutofrange{#1}{#4}%
3391 \fi\fi%
3392 }
3393 \def\xepersian@adadi@tartibi#1#2{%
3394 \expandafter\xepersian@@adadi@tartibi%
3395 \ifcase%
3396 \ifnum#1<10 1%
3397 \else\ifnum#1<100 2%
3398 \else\ifnum#1<\@m 3%
3399 \else\ifnum#1<\@M 4%
3400 \else\ifnum#1<100000 5%
3401 \else\ifnum#1<1000000 6%
3402 \else\ifnum#1<10000000 7%
3403 \else\ifnum#1<100000000 8%
3404 \else9%

```

```

3405 \fi\fi\fi\fi\fi\fi\fi\fi %
3406 \or00000000#1% case 1: Add 8 leading zeros
3407 \or00000000#1% case 2: Add 7 leading zeros
3408 \or000000#1% case 3: Add 6 leading zeros
3409 \or00000#1% case 4: Add 5 leading zeros
3410 \or0000#1% case 5: Add 4 leading zeros
3411 \or000#1% case 6: Add 3 leading zeros
3412 \or00#1% case 7: Add 2 leading zeros
3413 \or0#1% case 8: Add 1 leading zero
3414 \or#1% case 9: Add no leading zeros
3415 \or%
3416 \@nil#2%
3417 \fi%
3418 }
3419 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3420 \ifnum#1#2#3>\z@
3421 \xepersian@milyoongan@tartibi#1#2#3%
3422 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3423 \fi%
3424 \ifnum#4#5#6>\z@%
3425 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3426 \ifnum#4#5#6>\@ne \fi%
3427 %
3428 \ifnum#7>\z@\ \fi%
3429 \fi%
3430 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3431 }
3432 \def\xepersian@milyoongan@tartibi#1#2#3{%
3433 \ifnum#1#2#3=\@ne%
3434 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3435 %
3436 %
3437 \else%
3438 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3439 %
3440 %
3441 \fi%
3442 }
3443 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3444 \ifnum#1>\z@%
3445 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3446 %
3447 \ifnum#2#3>\z@\ \fi%
3448 \fi%
3449 \ifnum#2#3<20%
3450 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3451 \else%
3452 \xepersian@dahgan#2%
3453 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3454 #60%

```



```

3455 \fi%
3456 }
3457 \def\xepersian@tartibi#1{%
3458 \ifcase#1\or or\ or\ or\ %
3459 \or or\ or\ or\ or\ %
3460 \or or\ or\ or\ %
3461 \or or\ or\ %
3462 \or or\ or\ %fi\
3463 }
3464 \def\xepersian@yekanv#1{%
3465 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3466 \or or\ or\ or\ or\ or\ or\ %
3467 \or or\ or\ or\ %
3468 \or or\ %fi\
3469 }
3470 \providecommand*\xpg@warning}[1]{%
3471 \PackageWarning{XePersian}%
3472 {#1}}
3473 \if@bidi@csundef{abjadnumeral}{%
3474 \def\abjadnumeral#1{%
3475 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3476 \else
3477 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3478 \else
3479 \ifnum#1<10\expandafter\abj@num@i\number#1%
3480 \else
3481 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3482 \else
3483 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3484 \else
3485 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3486 \fi
3487 \fi
3488 \fi
3489 \fi
3490 \fi
3491 \fi
3492 }
3493 \def\abjad@zero{}
3494 \def\abj@num@i#1{%
3495 \ifcase#1\or or\ or\ or\ %
3496 \or or\ or\ or\ or\ fi\
3497 \ifnum#1=\z@\abjad@zero\fi}
3498 \def\abj@num@ii#1{%
3499 \ifcase#1\or or\ or\ or\ or\ %
3500 \or or\ or\ or\ fi\
3501 \ifnum#1=\z@\fi\abj@num@i}
3502 \def\abj@num@iii#1{%
3503 \ifcase#1\or or\ or\ or\ or\ %
3504 \or or\ or\ or\ fi\

```

```

3505 \ifnum#1=\z@\fi\abj@num@iii}
3506 \def\abj@num@iv#1{%
3507 \ifcase#1\or fi\
3508 \ifnum#1=\z@\fi\abj@num@iii}
3509 }{}
3510 \let\@latinalph\@alph%
3511 \let\@latinAlph\@Alph%
3512 \def\PersianAlphs{%
3513 \let\@alph\abjadnumeral%
3514 \let\@Alph\abjadnumeral%
3515 }
3516 \def\LatinAlphs{%
3517 \let\@alph\@latinalph%
3518 \let\@Alph\@latinAlph%
3519 }
3520 \PersianAlphs
3521 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3522 \@ifpackageloaded{fontspec-xetex}{\input{fontspec-xetex-xepersian.def}}{}
3523 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3524 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3525 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3526 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3527 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3528 \@ifpackageloaded{bidi}{\input{footnote-xepersian.def}}{}
3529 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3530 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3531 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3532 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3533 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3534 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3535 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3536 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3537 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3538 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}{}}
3539 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3540 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3541 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3542 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3543 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3544 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3545 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3546 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3547 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3548 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3549 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3550 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3551 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3552 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3553 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3554 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}

```

```

3555 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3556 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3557 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3558 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3559 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3560 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3561 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3562 \DeclareOption{Kashida}{\input{kashida-xepersian.def}}
3563 \DeclareOption{localise}{\input{localise-xepersian.def}}
3564 \DeclareOption{extrafootnotefeatures}{\@extrafootnotefeaturestrue}
3565 \DeclareOption{quickindex}{%
3566 \PackageWarning{xepersian}{Obsolete option}%
3567 \ifwritexviii%
3568 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir
3569 \renewcommand\printindex{\newpage%
3570 \immediate\closeout\@indexfile
3571 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3572 \@input@{\jobname.ind}}}%
3573 \else
3574 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex --
3575 \fi}
3576 \DeclareOption{quickindex-variant1}{%
3577 \ifwritexviii%
3578 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir
3579 \renewcommand\printindex{\newpage%
3580 \immediate\closeout\@indexfile
3581 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname.idx}
3582 \@input@{\jobname.ind}}}%
3583 \else
3584 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex --
3585 \fi}
3586 \DeclareOption{quickindex-variant2}{%
3587 \ifwritexviii%
3588 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir
3589 \renewcommand\printindex{\newpage%
3590 \immediate\closeout\@indexfile
3591 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3592 \@input@{\jobname.ind}}}%
3593 \else
3594 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex --
3595 \fi}
3596 \ExecuteOptions{localise}
3597 \ProcessOptions
3598
3599 \if@extrafootnotefeatures
3600 \input{extrafootnotefeatures-xetex-bidi.def}
3601 \input{extrafootnotefeatures-xepersian.def}
3602 \fi

```

## 7.55 xepersian-magazine.cls

```
3603 \NeedsTeXFormat{LaTeX2e}
3604 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3605 \RequirePackage{ifthen}
3606 \newlength{\xepersian@imgsize}
3607 \newlength{\xepersian@coltitsize}
3608 \newlength{\xepersian@pageneed}
3609 \newlength{\xepersian@pageleft}
3610 \newlength{\xepersian@indexwidth}
3611 \newcommand{\xepersian@ncolumns}{0}
3612 \newlength{\columnlines}
3613 \setlength{\columnlines}{0 pt} % no lines by default
3614 \newboolean{xepersian@hyphenatedtitles}
3615 \setboolean{xepersian@hyphenatedtitles}{true}
3616 \newboolean{xepersian@ninepoints}
3617 \setboolean{xepersian@ninepoints}{false}
3618 \newboolean{xepersian@showgrid}
3619 \setboolean{xepersian@showgrid}{false}
3620 \newboolean{xepersian@a3paper}
3621 \setboolean{xepersian@a3paper}{false}
3622 \newboolean{xepersian@insidefrontpage}
3623 \setboolean{xepersian@insidefrontpage}{false}
3624 \newboolean{xepersian@insideweather}
3625 \setboolean{xepersian@insideweather}{false}
3626 \newboolean{xepersian@insideindex}
3627 \setboolean{xepersian@insideindex}{false}
3628 \newcount\xepersian@gridrows
3629 \newcount\xepersian@gridcolumns
3630 \xepersian@gridrows=40
3631 \xepersian@gridcolumns=50
3632 \newcount\minraggedcols
3633 \minraggedcols=5
3634 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3635 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3636 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3637 \DeclareOption{twocolumn}%
3638 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3639 \DeclareOption{notitlepage}%
3640 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3641 \DeclareOption{twoside}%
3642 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3643 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3644 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3645 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3646 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3647 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3648 \ProcessOptions\relax
3649 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3650 \RequirePackage{ifxetex}
```

```

3651 \RequirePackage{multido}
3652 \RequirePackage{datetime}
3653 \RequirePackage{multicol}
3654 \RequirePackage{fancyhdr}
3655 \RequirePackage{fancybox}
3656 \ifthenelse{\boolean{xepersian@a3paper}}{%
3657 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
3658 }{
3659 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
3660 }
3661 \RequirePackage[absolute]{textpos} % absolute positioning
3662 \RequirePackage{hyphenat} % when hyphenate
3663 \RequirePackage{lastpage} % to know the last page number
3664 \RequirePackage{setspace} % set space between lines
3665 \RequirePackage{ragged2e}
3666 \newcommand{\raggedFormat}{\RaggedLeft}
3667 \AtEndOfClass{xepersianInit}
3668 \ifthenelse{\boolean{xepersian@showgrid}}{%
3669 \AtBeginDocument{
3670 \grid[show]{xepersian@gridrows}{xepersian@gridcolumns}}
3671 \advance\minraggedcols by -1
3672 }{%
3673 \AtBeginDocument{
3674 \grid[]{}{xepersian@gridrows}{xepersian@gridcolumns}}
3675 \advance\minraggedcols by -1
3676 }
3677 \ifthenelse{\boolean{xepersian@ninepoints}}{
3678 \renewcommand{\normalsize}{%
3679   \@setfontsize{\normalsize}{9pt}{10pt}%
3680   \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3681   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3682   \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3683   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3684
3685 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3686
3687 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3688
3689 \renewcommand{\small}{%
3690   \@setfontsize{\small}{8pt}{9pt}%
3691   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3692   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3693   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3694   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3695
3696 \renewcommand{\footnotesize}{%
3697   \@setfontsize{\footnotesize}{8pt}{9pt}%
3698   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3699   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3700   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%

```

```

3701 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3702
3703 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3704 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3705 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3706 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3707 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3708 }{}
3709 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3710 \newcommand{\xepersian@wwwFormat}{\sffamily}
3711 \newcommand{\xepersian@www}{\%
3712 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3713 }
3714 \newcommand{\xepersian@edition}{\{
3715 \newcommand{\editionFormat}{\large\bfseries\texttt}
3716 \newcommand{\xepersian@editionLogo}{\%
3717 \raisebox{-3pt}{\%
3718 {\editionFormat\xepersian@edition}\%
3719 }%
3720 }
3721 \newcommand{\indexFormat}{\large\bfseries}
3722 \newcommand{\xepersian@indexFrameTitle}[1]
3723 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
3724
3725 \newcommand{\indexEntryFormat}{\normalsize}
3726 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3727 \indexEntryFormat\noindent\ignorespaces{#1}}%
3728 \end{minipage}}
3729 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3730 \newcommand{\indexEntryPageTxt}{\}
3731 \newcommand{\indexEntryPageFormat}{\footnotesize}
3732 \newcommand{\xepersian@indexEntryPage}[1]{\%
3733 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
3734 }
3735 \newcommand{\headDateTimeFormat}{\}
3736 \newcommand{\xepersian@headDateTime}{\%
3737 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3738 \currenttime \%
3739 }
3740 \newcommand{\weatherFormat}{\bfseries}
3741 \newcommand{\xepersian@weather}[1]{\%
3742 \noindent{\weatherFormat #1}%
3743 }
3744 \newcommand{\weatherTempFormat}{\small}
3745 \newcommand{\weatherUnits}{\textdegree{C}}
3746 \newcommand{\xepersian@section}[0]{\{
3747 \newcommand{\xepersian@headleft}{\%
3748 {\small\bfseries \@custommagazinename} \date
3749 }
3750 \newcommand{\xepersian@headcenter}{\%

```

```

3751 \xepersian@section{}
3752 }
3753 \newcommand{\xepersian@headright}{%
3754 \small\xepersian@edition%
3755 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3756 }
3757
3758 \newcommand{\heading}[3]{%
3759 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3760 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3761 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3762 }
3763 \newcommand{\xepersian@footright}{%
3764 {\footnotesize\lr{\copyright\ @customwwwTxt{}}-- - \lr{\XePersian}}%
3765 }
3766 \newcommand{\xepersian@footcenter}{%
3767 }
3768 \newcommand{\xepersian@footleft}{%
3769 }
3770
3771 \newcommand{\foot}[3]{%
3772 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3773 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3774 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3775 }
3776 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3777 \newcommand{\xepersian@firstTitle}[1]{%
3778 {%
3779 \begin{spacing}{2.0}{%
3780 \noindent\ignorespaces
3781 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3782 {\nohyphens{\firstTitleFormat #1}}%
3783 {\firstTitleFormat #1}}%
3784 }%
3785 \end{spacing}%
3786 }%
3787 }
3788 \newcommand{\firstTextFormat}{}
3789 \newcommand{\xepersian@firstText}[1]{%
3790 {\noindent\ignorespaces\firstTextFormat #1}%
3791 }
3792 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3793 \newcommand{\xepersian@secondTitle}[1]{%
3794 \begin{spacing}{1.5}{%
3795 \noindent\ignorespaces\flushright
3796 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3797 {\nohyphens{\secondTitleFormat #1}}%
3798 {\secondTitleFormat #1}}%
3799 \end{spacing}%
3800 }

```

```

3801 \newcommand{\secondSubtitleFormat}{\large}
3802 \newcommand{\xepersian@secondSubtitle}[1]{%
3803 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
3804 }
3805 \newcommand{\secondTextFormat}{}
3806 \newcommand{\xepersian@secondText}[1]{%
3807 \begin{multicols}{2}
3808 {\noindent\ignorespaces\secondTextFormat #1}
3809 \end{multicols}
3810 }
3811 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3812 \newcommand{\xepersian@thirdTitle}[1]{%
3813 \begin{spacing}{1.5}{%
3814 \noindent\ignorespaces\flushright
3815 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3816 {\nohyphens{\thirdTitleFormat #1}}%
3817 {\thirdTitleFormat #1}}%
3818 }\end{spacing}%
3819 }
3820 \newcommand{\thirdSubtitleFormat}{\large}
3821 \newcommand{\xepersian@thirdSubtitle}[1]{%
3822 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3823 \newcommand{\thirdTextFormat}{}
3824 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3825 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3826 \newcommand{\xepersian@pictureCaption}[1]{%
3827 {\noindent\pictureCaptionFormat #1}}%
3828 }
3829 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3830 \newcommand{\xepersian@pages}[1]{%
3831 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3832 \newcommand{\innerTitleFormat}{\Huge}
3833 \newcommand{\xepersian@innerTitle}[1]{%
3834 \begin{flushright}{%
3835 \noindent
3836 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3837 {\nohyphens{\innerTitleFormat #1}}%
3838 {\innerTitleFormat #1}}%
3839 }%
3840 \\%
3841 \end{flushright}}%
3842 }
3843 \newcommand{\innerSubtitleFormat}{\large}
3844 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
3845 \newcommand{\timestampTxt}{}
3846 \newcommand{\timestampSeparator}{}
3847 \newcommand{\timestampFormat}{\small}
3848 \newcommand{\timestamp}[1]{%
3849 {\timestampFormat%
3850 #1~\timestampTxt}}%

```



```

3851 }~\timestampSeparator{}%
3852 }
3853 \newcommand{\innerAuthorFormat}{\footnotesize}
3854 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3855 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3856 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3857 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3858 \newcommand{\editorialAuthorFormat}{\textsc}
3859 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3860 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
3861 \newcommand{\shortarticleSubtitleFormat}{\Large}
3862 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
3863 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3864 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
3865 \renewcommand{\maketitle}{\begin{titlepage}%
3866   \let\footnotesize\small
3867   \let\footnoterule\relax
3868   \let \footnote \thanks
3869   \null\vfil
3870   \vskip 60\p@
3871   \begin{center}%
3872     {\LARGE \@title \par}%
3873     \vskip 1em%
3874     {\LARGE «\xepersian@edition» \par}%
3875     \vskip 3em%
3876     {\large
3877       \lineskip .75em%
3878       \begin{tabular}[t]{c}%
3879         \@author
3880       \end{tabular}\par}%
3881       \vskip 1.5em%
3882       {\large \@date \par}%
3883     \end{center}\par
3884     \@thanks
3885     \vfil\null
3886   \end{titlepage}%
3887   \setcounter{footnote}{0}%
3888   \global\let\thanks\relax
3889   \global\let\maketitle\relax
3890   \global\let\@thanks\@empty
3891   \global\let\@author\@empty
3892   \global\let\@date\@empty
3893   \global\let\@title\@empty
3894   \global\let\title\relax
3895   \global\let\author\relax
3896   \global\let\date\relax
3897   \global\let\and\relax
3898 }
3899 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3900 \newsavebox{\xepersian@fmbox}

```

```

3901 \newenvironment{xepersian@fmpage}[1]
3902 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3903 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3904 \newcommand{\image}[2]{
3905 \vspace{5pt}
3906 \setlength{\fboxsep}{1pt}
3907 \addtolength{\xepersian@imgsize}{\columnwidth}
3908 \addtolength{\xepersian@imgsize}{-1\columnsep}
3909 \ifxetex
3910 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3911 \addtolength{\xepersian@pageneed}{50pt}
3912 \ClassWarning{xepersian-magazine}{%
3913 Image #1 needs: \the\xepersian@pageneed \space %
3914 and there is left: \the\page@free\space%
3915 }
3916 \ifdim \xepersian@pageneed < \page@free
3917
3918 {\centering\fbox{%
3919 \includegraphics[width = \xepersian@imgsize,
3920 height = \xepersian@imgsize,
3921 keepaspectratio ]{#1}}}
3922 \xepersian@pictureCaption{#2}
3923
3924 \vspace{5pt}
3925 \else
3926 \ClassWarning{Image #1 needs more space!%
3927 It was not inserted!}
3928 \fi
3929 \fi
3930 }
3931 \textblockorigin{1cm}{1cm}
3932 \newdimen\xepersian@dx
3933 \newdimen\xepersian@dy
3934 \newcount\xepersian@cx
3935 \newcount\xepersian@cy
3936 \newcommand{\grid}[3][ ]{
3937 \xepersian@dx=\textwidth%
3938 \xepersian@dy=\textheight%
3939 \xepersian@cx=#3% %columns
3940 \xepersian@cy=#2% %rows
3941
3942 \count1=#3%
3943 \advance\count1 by 1
3944
3945 \count2=#2%
3946 \advance\count2 by 1
3947
3948 \divide\xepersian@dx by #3
3949 \divide\xepersian@dy by #2
3950

```

```

3951 \setlength{\TPHorizModule}{\xepersian@dx}
3952 \setlength{\TPVertModule}{\xepersian@dy}
3953
3954 \ifthenelse{\equal{#1}{show}}{
3955 \multido{\xepersian@nrow=0+1}{\count2}{
3956 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
3957 \rule[0pt]{\textwidth}{.1pt}
3958 \end{textblock}
3959 }
3960
3961 \multido{\xepersian@ncol=0+1}{\count1}{
3962 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
3963 \rule[0pt]{.1pt}{\textheight}
3964 \end{textblock}
3965 }
3966 {}
3967 }
3968 \newcommand{\xepersianInit}{
3969 \setlength{\headheight}{14pt}
3970 \renewcommand{\headrulewidth}{0.4pt}
3971
3972 \pagestyle{fancy}
3973
3974 \setlength{\columnseprule}{\columnlines}
3975 \setlength{\fboxrule}{0.1 pt}
3976
3977 }
3978
3979 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
3980 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
3981 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
3982 \newcommand{\logo}[0]{
3983 %% Heading %%
3984 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
3985
3986 \vspace*{-3pt}
3987
3988 {\Large\bfseries \@customlogo}
3989 \hrulefill
3990 \hspace{10pt}\xepersian@headDateTime
3991
3992 }
3993 \newcommand{\minilogo}[0]{
3994 {\large\bfseries \@customminilogo}
3995
3996 \vspace*{5pt}
3997 }
3998 \newcommand{\mylogo}[1]{
3999 {\beginR#1\endR}
4000

```

```

4001 \noindent
4002 \xepersian@editionLogo\hspace{5pt}
4003 \hrulefill
4004 \hspace{5pt}\xepersian@headDateTime
4005 }
4006 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4007 \newenvironment{frontpage}[0]
4008 {
4009 \setboolean{xepersian@insidefrontpage}{true}
4010 \thispagestyle{empty}
4011 \logo
4012
4013 }%
4014 {
4015 \thispagestyle{empty}
4016 \clearpage
4017 \newpage
4018 \fancyhead{}
4019 \fancyfoot{}
4020 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4021 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4022 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4023 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4024 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4025 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4026 \renewcommand{\headrulewidth}{0.4pt}
4027 \setboolean{xepersian@insidefrontpage}{false}
4028
4029 }
4030 \newcommand{\firstarticle}[3]
4031 {
4032 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4033 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4034 \begin{textblock}{24}(22,5)
4035 }
4036 {
4037 \begin{textblock}{28}(22,5)
4038 }
4039 \vspace{-7pt}
4040 \xepersian@firstTitle{#1}
4041 \end{textblock}
4042 \begin{textblock}{29}(22,10)
4043 \vspace{5pt plus 2pt minus 2pt}
4044
4045 \xepersian@firstText{\timestamp{#3}~#2}
4046
4047 \end{textblock}
4048
4049 \begin{textblock}{50}(0,15)
4050 \rule{50\TPHorizModule}{.3pt}

```

```

4051 \end{textblock}
4052 }{%else
4053 \ClassError{xepersian-magazine}{%
4054 \protect\firstarticle\space in a wrong place.\MessageBreak
4055 \protect\firstarticle\space may only appear inside frontpage environment.
4056 }{%
4057 \protect\firstarticle\space may only appear inside frontpage environment.
4058 }%
4059 }
4060 }
4061 \newcommand{\secondarticle}[5]
4062 {
4063 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4064 \begin{textblock}{33}(2,16)
4065 \xepersian@pages{#4}
4066 \vspace{-5pt}
4067 \xepersian@secondTitle{#1}
4068
4069 \vspace*{5pt}
4070
4071 \xepersian@secondSubtitle{#2}
4072
4073 \vspace*{-7pt}
4074
4075 \xepersian@secondText{\timestamp{#5}~#3}
4076
4077 \end{textblock}
4078
4079 \begin{textblock}{33}(2,25)
4080 \vspace{5pt plus 2pt minus 2pt}
4081
4082 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4083 \end{textblock}
4084 }{%else
4085 \ClassError{xepersian-magazine}{%
4086 \protect\secondarticle\space in a wrong place.\MessageBreak
4087 \protect\secondarticle\space may only appear inside frontpage environment.
4088 }{%
4089 \protect\secondarticle\space may only appear inside frontpage environment.
4090 }%
4091 }
4092 }
4093 \newcommand{\thirdarticle}[6]
4094 {
4095 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4096 \begin{textblock}{32}(2,26)
4097 \xepersian@pages{#5}
4098 \vspace{-5pt}
4099 \setlength{\fboxsep}{1pt}
4100 \xepersian@thirdTitle{#1}

```

```

4101
4102 \vspace*{5pt}
4103
4104 \xepersian@thirdSubtitle{#2}
4105
4106 \vspace*{5pt}
4107
4108 {\noindent\ignorespaces %
4109 \ifthenelse{\equal{#4}{}}{}
4110
4111 \xepersian@thirdText{\timestamp{#6}~#3}
4112
4113 }
4114
4115 \vspace*{5pt}
4116
4117 \end{textblock}
4118 }{%else
4119 \ClassError{xepersian-magazine}{%
4120 \protect\thirdarticle\space in a wrong place.\MessageBreak
4121 \protect\thirdarticle\space may only appear inside frontpage environment.
4122 }{%
4123 \protect\thirdarticle\space may only appear inside frontpage environment.
4124 }%
4125 }
4126 }
4127 \newcommand{\firstimage}[2]
4128 {
4129 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4130 \begin{textblock}{18}(2,5)
4131 \setlength{\fboxsep}{1pt}
4132 \ifxetex % only in PDF
4133 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4134 \fi
4135
4136 \xepersian@pictureCaption{#2}
4137 \end{textblock}%
4138 }
4139 {\ClassError{xepersian-magazine}{%
4140 \protect\firstimage\space in a wrong place.\MessageBreak
4141 \protect\firstimage\space may only appear inside frontpage environment.
4142 }{%
4143 \protect\firstimage\space may only appear inside frontpage environment.
4144 }}
4145 }%
4146 \newcommand{\weatheritem}[5]{%
4147 \ifthenelse{\boolean{xepersian@insideweather}}{
4148 \begin{minipage}{45pt}
4149 \ifxetex
4150 \includegraphics[width=40pt]{#1}

```

```

4151 \fi
4152 \end{minipage}
4153 \begin{minipage}{50pt}
4154 \weatherTempFormat
4155 #2\
4156 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\
4157 #5
4158 \end{minipage}
4159 }{%else
4160 \ClassError{xepersian-magazine}{%
4161 \protect\weatheritem\space in a wrong place.\MessageBreak
4162 \protect\weatheritem\space may only appear inside weatherblock environment.
4163 }{%
4164 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4165 weatherblock environment may only appear inside frontpage environment.
4166 }%
4167 }
4168 }
4169 \newenvironment{weatherblock}[1]
4170 {
4171 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4172 \setboolean{xepersian@insideweather}{true}
4173 \begin{textblock}{32}(2,38)
4174 \vspace*{-15pt}
4175
4176 \xepersian@weather{\beginR#1\endR}
4177
4178 \vspace*{5pt}
4179
4180 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4181 \begin{minipage}{32\TPHorizModule}
4182 \hspace{5pt}
4183
4184 }{%
4185 \ClassError{xepersian-magazine}{%
4186 weatherblock in a wrong place.\MessageBreak
4187 weatherblock may only appear inside frontpage environment.
4188 }{%
4189 weatherblock may only appear inside frontpage environment.
4190 }
4191 }
4192 }%
4193 {
4194 \end{minipage}
4195 \end{xepersian@fmpage}
4196 \end{textblock}
4197 \setboolean{xepersian@insideweather}{false}
4198 }
4199 \newenvironment{authorblock}[0]
4200 {

```

```

4201 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4202 \begin{textblock}{15}(36,35)
4203 \setlength{\fboxsep}{5pt}
4204 \begin{xepersian@fmpage}{13\TPHorizModule}
4205 \begin{minipage}{13\TPHorizModule}
4206 \centering
4207 \minilogo
4208
4209 }{%else
4210 \ClassError{xepersian-magazine}{%
4211 authorblock in a wrong place.\MessageBreak
4212 authorblock may only appear inside frontpage environment.
4213 }{%
4214 authorblock may only appear inside frontpage environment.
4215 }
4216 }
4217 }
4218 {
4219 \end{minipage}
4220 \end{xepersian@fmpage}
4221 \end{textblock}
4222 }
4223 \newenvironment{indexblock}[1]
4224 {
4225 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4226 \setboolean{xepersian@insideindex}{true}%let's in
4227 \begin{textblock}{15}(36,16)
4228 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4229 \xepersian@indexFrameTitle{#1}
4230
4231 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4232 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4233 \begin{minipage}{\xepersian@indexwidth}
4234 \vspace*{10pt}
4235 }{%else
4236 \ClassError{xepersian-magazine}{%
4237 indexblock in a wrong place.\MessageBreak
4238 indexblock may only appear inside frontpage environment.
4239 }{%
4240 indexblock may only appear inside frontpage environment.
4241 }
4242 }
4243 }%
4244 {
4245 \end{minipage}
4246 \end{xepersian@fmpage}
4247 \end{textblock}
4248 \setboolean{xepersian@insideindex}{false}%let's out
4249 }
4250 \newcommand{\indexitem}[2]

```



```

4251 {
4252 \ifthenelse{\boolean{xepersian@insideindex}}{
4253 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4254
4255 \vspace{0.5cm}
4256
4257 \noindent\ignorespaces\indexEntrySeparator{
4258 }{%else
4259 \ClassError{xepersian-magazine}{%
4260 \protect\indexitem\space in a wrong place.\MessageBreak
4261 \protect\indexitem\space may only appear inside indexblock environment.
4262 }{%
4263 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4264 indexblock environment may only appear inside frontpage environment.
4265 }%
4266 }
4267 }
4268 \newcommand{\xepersian@inexpandedtitle}[1]{
4269 \begin{minipage}{.95\textwidth}
4270 \begin{center}
4271 \noindent\Large\textbf{\beginR#1\endR}
4272 \end{center}
4273 \end{minipage}
4274 }
4275 \newcommand{\expandedtitle}[2]{
4276 \end{multicols}
4277
4278 \begin{center}
4279 \setlength{\fboxsep}{5pt}
4280 \setlength{\shadowsize}{2pt}
4281 \ifthenelse{\equal{#1}{shadowbox}}{%
4282 \shadowbox{
4283 \xepersian@inexpandedtitle{#2}%
4284 }%
4285 }{
4286 \ifthenelse{\equal{#1}{doublebox}}{%
4287 \doublebox{
4288 \xepersian@inexpandedtitle{#2}%
4289 }%
4290 }{
4291 \ifthenelse{\equal{#1}{ovalbox}}{%
4292 \ovalbox{
4293 \xepersian@inexpandedtitle{#2}%
4294 }%
4295 }{
4296 \ifthenelse{\equal{#1}{Ovalbox}}{%
4297 \Ovalbox{
4298 \xepersian@inexpandedtitle{#2}%
4299 }%
4300 }{

```

```

4301 \ifthenelse{\equal{#1}{lines}}{
4302 \hrule
4303 \vspace*{8pt}
4304 \begin{center}
4305 \noindent\Large\textbf{#2}
4306 \end{center}
4307 \vspace*{8pt}
4308 \hrule
4309 }{}
4310 \end{center}
4311
4312 \begin{multicols}{\xepersian@ncolumns{}}
4313 \ifnum \xepersian@ncolumns > \minraggedcols
4314 \raggedFormat
4315 \fi
4316 }
4317 \newcommand{\xepersian@incolumntitle}[2]{
4318 \begin{minipage}{#1}
4319 \begin{center}
4320 \noindent\normalsize\textbf{#2}
4321 \end{center}
4322 \end{minipage}
4323 }
4324
4325 \newcommand{\columntitle}[2]{
4326 \vspace*{5pt}
4327 \begin{center}
4328 \setlength{\fboxsep}{5pt}
4329 \setlength{\shadowsize}{2pt}
4330 \addtolength{\xepersian@coltitsize}{\columnwidth}
4331 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4332 \addtolength{\xepersian@coltitsize}{-5pt}
4333 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4334 \ifthenelse{\equal{#1}{shadowbox}}{%
4335 \shadowbox{%
4336 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4337 }%
4338 }{}
4339 \ifthenelse{\equal{#1}{doublebox}}{%
4340 \doublebox{%
4341 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4342 }%
4343 }{}
4344 \ifthenelse{\equal{#1}{ovalbox}}{%
4345 \ovalbox{%
4346 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4347 }%
4348 }{}
4349 \ifthenelse{\equal{#1}{Ovalbox}}{%
4350 \Ovalbox{%

```

```

4351 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4352 }%
4353 }{}
4354 \ifthenelse{\equal{#1}{lines}}{
4355 \hrule
4356 \vspace*{5pt}
4357 \begin{center}
4358 \noindent\normalsize\textbf{#2}
4359 \end{center}
4360 \vspace*{5pt}
4361 \hrule
4362 }{}
4363 \end{center}
4364 }
4365 \renewcommand{\date}{%
4366 \longdate{\today}%
4367 }
4368 \newcommand{\authorandplace}[2]{%
4369 \rightline{%
4370 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
4371 }%
4372 \par %
4373 }
4374 \newcommand{\newsection}[1]{
4375 \renewcommand{\xepersian@section}{#1}
4376 }
4377 \newenvironment{article}[5]
4378 {
4379 \xepersian@say{Adding a new piece of article}
4380 \renewcommand{\xepersian@ncolumns}{#1}
4381 \begin{multicols}{#1}[
4382 \xepersian@pages{#4}
4383 \xepersian@innerTitle{#2}%
4384 \xepersian@innerSubtitle{#3}%
4385 ] [4cm]%
4386 \label{#5}
4387 \ifnum #1 > \minraggedcols
4388 \raggedFormat
4389 \fi
4390 }
4391 {\sim\innerTextFinalMark{}
4392 \end{multicols}
4393 }
4394 \newcommand{\articlesep}{%
4395 \setlength{\xepersian@pageneed}{16000pt}
4396 \setlength\xepersian@pageleft{\pagegoal}
4397 \addtolength\xepersian@pageleft{-\pagetotal}
4398
4399 \xepersian@say{How much left \the\xepersian@pageleft}
4400

```

```

4401 \ifdim \xepersian@pageneed < \xepersian@pageleft
4402 \xepersian@say{Not enough space}
4403 \else
4404 \xepersian@say{Adding sep line between articles}
4405 \vspace*{10pt plus 10pt minus 5pt}
4406 \hrule
4407 \vspace*{10pt plus 5pt minus 5pt}
4408 \fi
4409
4410 }
4411 \newcommand{\xepersian@editorialTit}[2]{
4412 \setlength{\arrayrulewidth}{.1pt}
4413 \begin{center}
4414 \begin{tabular}{c}
4415 \noindent
4416 \xepersian@editorialTitle{#1}
4417 \vspace{2pt plus 1pt minus 1pt}
4418 \\
4419 \hline
4420 \vspace{2pt plus 1pt minus 1pt}
4421 \\
4422 \editorialAuthorFormat{#2}
4423 \end{tabular}
4424 \end{center}
4425 }
4426 \newenvironment{editorial}[4]
4427 {
4428 \xepersian@say{Adding a new editorial}
4429 \begin{multicols}{#1}[%
4430 \xepersian@editorialTit{#2}{#3}%
4431 ][4cm]
4432 \label{#4}
4433 \ifnum #1 > \minraggedcols
4434 \raggedFormat
4435 \fi
4436 }
4437 {
4438 \end{multicols}
4439 }
4440 \newcommand{\xepersian@shortarticleTit}[2]{
4441 \begin{center}
4442 \vbox{%
4443 \noindent
4444 \xepersian@shortarticleTitle{#1}
4445 \vspace{4pt plus 2pt minus 2pt}
4446 \hrule
4447 \vspace{4pt plus 2pt minus 2pt}
4448 \xepersian@shortarticleSubtitle{#2}
4449 }
4450 \end{center}

```

```

4451 }
4452 \newenvironment{shortarticle}[4]
4453 {
4454 \xepersian@say{Adding a short article block}
4455 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4456 \label{#4}
4457 \par %
4458 \ifnum #1 > \minraggedcols
4459 \raggedFormat
4460 \fi
4461 }
4462 {
4463 \end{multicols}
4464 }
4465 \newcommand{\shortarticleitem}[2]{
4466 \goodbreak
4467 \vspace{5pt plus 3pt minus 3pt}
4468 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4469 \vspace{5pt plus 3pt minus 3pt}
4470 {\noindent #2}\\
4471 }

```

## 7.56 xepersian-mathsdigitspec.sty

```

4472 \NeedsTeXFormat{LaTeX2e}
4473 \ProvidesPackage{xepersian-mathsdigitspec}
4474 [2014/07/13 v1.0.7 Unicode Persian maths digits in XeLaTeX]
4475 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4476 \let\newfam\new@mathgroup
4477 \def\select@group#1#2#3#4{%
4478 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4479 {%
4480 \ifmmode
4481 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4482 \begingroup
4483 \escapechar\m@ne
4484 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4485 \globaldefs\@ne \math@fonts
4486 \endgroup
4487 \init@restore@version
4488 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4489 {\number\csname c@mv@\math@version\endcsname}}}%
4490 \global\advance\csname c@mv@\math@version\endcsname\@ne
4491 \else
4492 \let#1\relax
4493 \latex@error{Too many math alphabets used in
4494 version \math@version}%
4495 \@eha
4496 \fi
4497 \else \expandafter\non@alpherr\fi

```

```

4498 #1{#4}%
4499 }%
4500 }
4501 \def\document@select@group#1#2#3#4{%
4502 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4503 {%
4504 \ifmmode
4505 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4506 \beginingroup
4507 \escapechar\m@ne
4508 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4509 \globaldefs\@ne \math@fonts
4510 \endgroup
4511 \expandafter\extract@alph@from@version
4512 \csname mv@\math@version\expandafter\endcsname
4513 \expandafter{\number\csname
4514 c@mv@\math@version\endcsname}%
4515 #1%
4516 \global\advance\csname c@mv@\math@version\endcsname\@ne
4517 \else
4518 \let#1\relax
4519 \latex@error{Too many math alphabets used
4520 in version \math@version}%
4521 \@eha
4522 \fi
4523 \else \expandafter\non@alpherr\fi
4524 #1{#4}%
4525 }%
4526 }
4527 \ExplSyntaxOn
4528 \bool_set_false:N \g__fontspec_math_bool
4529 \ExplSyntaxOff
4530 \def\@preamblecmds{}
4531 \newcommand\xepersian@not@onlypreamble[1]{%
4532 \def\do##1{\ifx##1\else\noexpand\do\noexpand##1\fi}%
4533 \xdef\@preamblecmds{\@preamblecmds}}
4534 \xepersian@not@onlypreamble\@preamblecmds
4535 \def\xepersian@notprerr{ can be used only in preamble (\on@line)}
4536 \AtBeginDocument{%
4537 \def\do#1{\noexpand\do\noexpand#1}%
4538 \edef\@preamblecmds{%
4539 \def\noexpand\do##1{%
4540 \def##1{\noexpand\xepersian@NotprerrMessage##1\noexpand\@eha}}%
4541 \@preamblecmds}
4542 \def\xepersian@NotprerrMessage#1{%
4543 \PackageError{xepersian}%
4544 {\noexpand\string#1 \noexpand\xepersian@notprerr}{}%
4545 }
4546 \ifpackageloaded{natbib}{%
4547 \renewcommand\nocite[1]{\@bsphack

```

```

4548 \@for\@citeb:=#1\do{%
4549   \@safe@activetrue
4550   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
4551   \@safe@activesfalse
4552   \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
4553   \if*\@citeb\else
4554     \@ifundefined{b@\@citeb\@extra@b@citeb}{%
4555       \NAT@citeundefined \PackageWarning{natbib}%
4556       {Citation ``\@citeb' undefined}}{\fi}%
4557   \@esphack}%
4558 }{%
4559 \def\nocite#1{%
4560   \@bsphack{\setbox0=\hbox{\cite{#1}}}\@esphack}%
4561 }
4562 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4563 \newcommand\SetMathCode[4]{%
4564   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4565 \newcommand\SetMathCharDef[4]{%
4566   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4567 \ExplSyntaxOn
4568 \cs_new_eq:NN \orig_mathbf:n \mathbf
4569 \cs_new_eq:NN \orig_mathit:n \mathit
4570 \cs_new_eq:NN \orig_mathrm:n \mathrm
4571 \cs_new_eq:NN \orig_mathsf:n \mathsf
4572 \cs_new_eq:NN \orig_mathtt:n \mathtt
4573 \NewDocumentCommand \new@mathbf { m } {
4574   \orig_mathbf:n {
4575     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4576       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4577     }
4578     #1
4579   }
4580 }
4581 \NewDocumentCommand \new@mathit { m } {
4582   \orig_mathit:n {
4583     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4584       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4585     }
4586     #1
4587   }
4588 }
4589 \NewDocumentCommand \new@mathrm { m } {
4590   \orig_mathrm:n {
4591     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4592       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4593     }
4594     #1
4595   }
4596 }
4597 \NewDocumentCommand \new@mathsf { m } {

```

```

4598 \orig_mathsf:n {
4599   \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4600     \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4601   }
4602   #1
4603 }
4604 }
4605 \NewDocumentCommand \new@mathtt{n } {
4606   \orig_mathtt:n {
4607     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4608       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4609     }
4610     #1
4611   }
4612 }
4613 \newcommand\setdigitfont[2] [] {%
4614   \let\glb@currsize\relax
4615   \fontspec_set_family:Nnn \xepersian@digits@family {Mapping=parsidigits,#1}{#2}
4616   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4617   \DeclareSymbolFont{OPERATORS} {EU1}{\xepersian@digits@family} {m}{n}
4618   \DeclareSymbolFont{new@mathbf@font@digits}{EU1}{\xepersian@digits@family}{bx}{n}
4619   \DeclareSymbolFont{new@mathit@font@digits}{EU1}{\xepersian@digits@family}{m}{it}
4620   \DeclareSymbolFont{new@mathrm@font@digits}{EU1}{\xepersian@digits@family}{m}{n}
4621   \def\xpersianmathsfdigits{%
4622     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4623     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4624     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4625     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4626     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4627     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4628     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4629     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4630     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4631     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4632     \SetMathCharDef{\%}{\mathbin}{OPERATORS}{` }
4633     \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4634     \cs_set_eq:NN \mathbf \new@mathbf
4635     \cs_set_eq:NN \mathit \new@mathit
4636     \cs_set_eq:NN \mathrm \new@mathrm}
4637 }
4638 \DeclareDocumentCommand \setmathsfdigitfont { O{} m } {
4639   \fontspec_set_family:Nnn \g_fontspec_mathsf_tl {Mapping=parsidigits,#1}{#2}
4640   \DeclareSymbolFont{new@mathsf@font@digits}{EU1}{\g_fontspec_mathsf_tl}{m}{n}
4641   \def\xpersianmathsfdigits{\cs_set_eq:NN \mathsf \new@mathsf}
4642 }
4643 \DeclareDocumentCommand \setmathttdigitfont { O{} m } {
4644   \fontspec_set_family:Nnn \g_fontspec_mathtt_tl {Mapping=parsidigits,#1}{#2}
4645   \DeclareSymbolFont{new@mathtt@font@digits}{EU1}{\g_fontspec_mathtt_tl}{m}{n}
4646   \def\xpersianmathttdigits{\cs_set_eq:NN \mathtt \new@mathtt}

```



```

4647 }
4648 \ExplSyntaxOff
4649 \ifx\newcommand\undefined\else
4650   \newcommand{\ZifferAn}{}
4651 \fi
4652 \mathchardef\ziffer@DotOri="013A
4653 {\ZifferAn
4654   \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4655 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4656 \def\ziffer@check#1#2{%
4657   \ifx\n1\endgroup#1\else
4658     \ifx\n2\endgroup#1\else
4659       \ifx\n3\endgroup#1\else
4660         \ifx\n4\endgroup#1\else
4661           \ifx\n5\endgroup#1\else
4662             \ifx\n6\endgroup#1\else
4663               \ifx\n7\endgroup#1\else
4664                 \ifx\n8\endgroup#1\else
4665                   \ifx\n9\endgroup#1\else
4666                     \ifx\n0\endgroup#1\else
4667                       \endgroup#2%
4668                     \fi
4669                   \fi
4670                 \fi
4671               \fi
4672             \fi
4673           \fi
4674         \fi
4675       \fi
4676     \fi
4677   \fi}
4678 \mathcode`.= "8000\relax
4679 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
4680 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4681 \def\PersianMathsDigits{\def\SetMathsDigits{%
4682   \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4683   \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4684   \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4685 \def\AutoMathsDigits{\def\SetMathsDigits{%
4686   \ifx\persianmathsdigits\undefined\else\if@Latin\else\persianmathsdigits\fi\fi%
4687   \ifx\persianmathsfdigits\undefined\else\if@Latin\else\persianmathsfdigits\fi\fi%
4688   \ifx\persianmathttdigits\undefined\else\if@Latin\else\persianmathttdigits\fi\fi}}
4689 \AutoMathsDigits
4690 \everymath\expandafter{\the\everymath\SetMathsDigits}
4691 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

## 7.57 xepersian-multiplechoice.sty

```

4692 \NeedsTeXFormat{LaTeX2e}
4693 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2

```

```

4694             Multiple Choice Questionnaire class for Persian in XeLaTeX]
4695 \RequirePackage{pifont}
4696 \RequirePackage{fullpage}
4697 \RequirePackage{ifthen}
4698 \RequirePackage{calc}
4699 \RequirePackage{verbatim}
4700 \RequirePackage{tabularx}
4701 \def\@headerfont{\bfseries}
4702 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4703 \def\@X{X}
4704 \newcommand\X[1]{\gdef\@X{#1}}
4705 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4706 \newcolumntype{D}{>{\pbs\centering}X}
4707 \newcolumntype{Q}{>{\@headerfont}X}
4708
4709 \renewcommand\tabularxcolumn[1]{m{#1}}
4710 \newcommand\makeform@nocorrection{%
4711   \addtocontents{frm}{\protect\end{tabularx}}
4712   \@starttoc{frm}}
4713 \newcommand\makeform@correction{%
4714   \addtocontents{frm}{\protect\end{tabularx}}}
4715 \newcommand\makemask@nocorrection{%
4716   \addtocontents{msk}{\protect\end{tabularx}}
4717   \@starttoc{msk}}
4718 \newcommand\makemask@correction{%
4719   \addtocontents{msk}{\protect\end{tabularx}}}
4720 \newlength\questionspace
4721 \setlength\questionspace{0pt}
4722 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4723 \def\@answerstitlefont{\bfseries}
4724 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4725 \def\@answernumberfont{\bfseries}
4726 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4727 \newcounter{question}\stepcounter{question}
4728 \newcounter{@choice}
4729 \def\@initorcheck{%
4730   \xdef\@choices{\the@choice}%
4731   \setcounter{@choice}{1}%
4732   \gdef\@arraydesc{|Q||}%
4733   \gdef\@headerline{%
4734     \whiledo{\not{\value{@choice}>\@choices}}{
4735       \xdef\@arraydesc{\@arraydesc D}}
4736   \def\@appendheader{\g@addto@macro\@headerline}
4737   \@appendheader{\protect\@headerfont}
4738   \edef\@the@choice{{\alph{choice}}}
4739   \expandafter\@appendheader\@the@choice
4740   \stepcounter{@choice}}%
4741   \addtocontents{frm}{%
4742     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4743     \protect\hline

```

```

4744 \headerline\protect\\protect\hline\protect\hline}%
4745 \addtocontents{msk}{%
4746 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4747 \protect\hline
4748 \headerline\protect\\protect\hline\protect\hline}%
4749 \gdef\@initorcheck{%
4750 \ifthenelse{\value{@choice} = \@choices}{\}%
4751 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4752 (\the@choice\space instead of \@choices)}{%
4753 Questions must all have the same number of proposed answers.%
4754 \MessageBreak
4755 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}}
4756 \newenvironment{question}[1]{%
4757 %% \begin{question}
4758 \begin{minipage}{\textwidth}
4759 \xdef\@formanswerline{\@questionheader}%
4760 \xdef\@maskanswerline{\@questionheader}%
4761 \fbox{\parbox[c]{\linewidth}{\#1}}
4762 \vspace\questionspace\par
4763 {\@answerstylefont\@answerstyle}
4764 \begin{list}{\@answerstylefont\alph{@choice}}~{\usecounter{@choice}}}%
4765 %% \end{question}
4766 \end{list}
4767 \@initorcheck%
4768 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
4769 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
4770 \end{minipage}
4771 \stepcounter{question}}
4772 \def\@truesymbol{\ding{52}~}
4773 \def\@falsesymbol{\ding{56}~}
4774 \newcommand\truesymbol[1]{\gdef\@truesymbol{\#1}}
4775 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{\#1}}
4776 \def\@true@nocorrection{\item}
4777 \def\@false@nocorrection{\item}
4778 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4779 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4780 \newcommand\true{%
4781 \xdef\@formanswerline{\@formanswerline\&}%
4782 \xdef\@maskanswerline{\@maskanswerline\&X}%
4783 \@true}%
4784 \newcommand>false{%
4785 \xdef\@formanswerline{\@formanswerline\&}%
4786 \xdef\@maskanswerline{\@maskanswerline\&}%
4787 \@false}%
4788 \def\@correctionstyle{\itshape}
4789 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{\#1}}
4790 \newenvironment@correction{\@correctionstyle}{\@correctionstyle}{\@correctionstyle}
4791 \def\@questionheader{\thequestion}
4792 \answerstyle{
4793 \DeclareOption{nocorrection}{%

```

```

4794 \let\@true\@true@nocorrection
4795 \let\@false\@false@nocorrection
4796 \let\correction\comment
4797 \let\endcorrection\endcomment
4798 \def\makeform{\makeform@nocorrection}
4799 \def\makemask{\makemask@nocorrection}}
4800 \DeclareOption{correction}{%
4801 \let\@true\@true@correction
4802 \let\@false\@false@correction
4803 \let\correction\@correction
4804 \let\endcorrection\end@correction
4805 \def\makeform{\makeform@correction}
4806 \def\makemask{\makemask@correction}}
4807 \ExecuteOptions{nocorrection}
4808 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4809 \def\@questiontitlefont{\bfseries}
4810 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4811 \newlength\questiontitlespace
4812 \setlength\questiontitlespace{5pt}
4813 \newlength\questionsepspace
4814 \setlength\questionsepspace{20pt}
4815 \gdef\@questionsepspace{0pt}
4816 \let\old@question\question
4817 \let\old@endquestion\endquestion
4818 \renewenvironment{question}[1]{%
4819 %% \begin{question}
4820 \vspace\@questionsepspace
4821 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4822 \nopagebreak\vspace\questiontitlespace\par
4823 \old@question{#1}}{%
4824 %% \end{question}
4825 \old@endquestion
4826 \gdef\@questionsepspace{\questionsepspace}}
4827 \questiontitle{ \thequestion:}
4828 \ProcessOptions

```

## 7.58 xepersian-persiancal.sty

```

4829 \NeedsTeXFormat{LaTeX2e}
4830 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4831
4832 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4833 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4834 \newcount\XePersian@latini \newcount\XePersian@persiani
4835 \newcount\XePersian@latinii \newcount\XePersian@persianii
4836 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4837 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4838 \newcount\XePersian@latinv \newcount\XePersian@persianv
4839 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4840 \newcount\XePersian@latinvii \newcount\XePersian@persianvii

```

```

4841 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4842 \newcount\XePersian@latinix \newcount\XePersian@persianix
4843 \newcount\XePersian@latinx \newcount\XePersian@persianx
4844 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4845 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4846 \newcount\XePersian@persianxiii
4847
4848 \newcount\XePersian@temp
4849 \newcount\XePersian@temptwo
4850 \newcount\XePersian@tempthree
4851 \newcount\XePersian@yModHundred
4852 \newcount\XePersian@thirtytwo
4853 \newcount\XePersian@dn
4854 \newcount\XePersian@sn
4855 \newcount\XePersian@mminusone
4856
4857
4858 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4859 \XePersian@temp=\XePersian@y
4860 \divide\XePersian@temp by 100\relax
4861 \multiply\XePersian@temp by 100\relax
4862 \XePersian@yModHundred=\XePersian@y
4863 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4864 \ifodd\XePersian@yModHundred
4865 \XePersian@leapfalse
4866 \else
4867 \XePersian@temp=\XePersian@yModHundred
4868 \divide\XePersian@temp by 2\relax
4869 \ifodd\XePersian@temp\XePersian@leapfalse
4870 \else
4871 \ifnum\XePersian@yModHundred=0%
4872 \XePersian@temp=\XePersian@y
4873 \divide\XePersian@temp by 400\relax
4874 \multiply\XePersian@temp by 400\relax
4875 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4876 \else\XePersian@leaptrue
4877 \fi
4878 \fi
4879 \fi
4880 \XePersian@latini=31\relax
4881 \ifXePersian@leap
4882 \XePersian@latinii = 29\relax
4883 \else
4884 \XePersian@latinii = 28\relax
4885 \fi
4886 \XePersian@latiniii = 31\relax
4887 \XePersian@latiniv = 30\relax
4888 \XePersian@latinv = 31\relax
4889 \XePersian@latinvi = 30\relax
4890 \XePersian@latinvii = 31\relax

```

```

4891 \XePersian@latinvi = 31\relax
4892 \XePersian@latinix = 30\relax
4893 \XePersian@latinx = 31\relax
4894 \XePersian@latinxi = 30\relax
4895 \XePersian@latinxii = 31\relax
4896 \XePersian@thirtytwo=32\relax
4897 \XePersian@temp=\XePersian@y
4898 \advance\XePersian@temp by -17\relax
4899 \XePersian@temptwo=\XePersian@temp
4900 \divide\XePersian@temptwo by 33\relax
4901 \multiply\XePersian@temptwo by 33\relax
4902 \advance\XePersian@temp by -\XePersian@temptwo
4903 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4904 \else
4905   \XePersian@temptwo=\XePersian@temp
4906   \divide\XePersian@temptwo by 4\relax
4907   \multiply\XePersian@temptwo by 4\relax
4908   \advance\XePersian@temp by -\XePersian@temptwo
4909   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4910 \fi
4911 \XePersian@tempthree=\XePersian@y % Number of Leap years
4912 \advance\XePersian@tempthree by -1
4913 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4914 \divide\XePersian@temp by 4\relax
4915 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4916 \divide\XePersian@temptwo by 100\relax
4917 \advance\XePersian@temp by -\XePersian@temptwo
4918 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4919 \divide\XePersian@temptwo by 400\relax
4920 \advance\XePersian@temp by \XePersian@temptwo
4921 \advance\XePersian@tempthree by -611 % Number of Kabise years
4922 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4923 \divide\XePersian@temptwo by 33\relax
4924 \multiply\XePersian@temptwo by 8\relax
4925 \advance\XePersian@temp by -\XePersian@temptwo
4926 \XePersian@temptwo=\XePersian@tempthree %
4927 \divide\XePersian@temptwo by 33\relax
4928 \multiply\XePersian@temptwo by 33\relax
4929 \advance\XePersian@tempthree by -\XePersian@temptwo
4930 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T);
4931 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4932 \advance\XePersian@temp by -\XePersian@tempthree
4933 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4934 \XePersian@persiani=31
4935 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4936 \XePersian@persianii = 30\relax
4937 \ifXePersian@kabiseh
4938   \XePersian@persianiii = 30\relax
4939 \else
4940   \XePersian@persianiii = 29\relax

```

```

4941 \fi
4942 \XePersian@persianiv = 31\relax
4943 \XePersian@persianv = 31\relax
4944 \XePersian@persianvi = 31\relax
4945 \XePersian@persianvii = 31\relax
4946 \XePersian@persianviii = 31\relax
4947 \XePersian@persianix = 31\relax
4948 \XePersian@persianx = 30\relax
4949 \XePersian@persianxi = 30\relax
4950 \XePersian@persianxii = 30\relax
4951 \XePersian@persianxiii = 30\relax
4952 \XePersian@dn = 0\relax
4953 \XePersian@sn = 0\relax
4954 \XePersian@mminusone = \XePersian@m
4955 \advance\XePersian@mminusone by -1\relax
4956 \XePersian@i = 0\relax
4957 \ifnum\XePersian@i < \XePersian@mminusone
4958 \loop
4959 \advance \XePersian@i by 1\relax
4960 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4961 \ifnum\XePersian@i < \XePersian@mminusone \repeat
4962 \fi
4963 \advance \XePersian@dn by \XePersian@d
4964 \XePersian@i = 1\relax
4965 \XePersian@sn = \XePersian@persiani
4966 \ifnum \XePersian@sn < \XePersian@dn
4967 \loop
4968 \advance \XePersian@i by 1\relax
4969 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
4970 \ifnum \XePersian@sn < \XePersian@dn \repeat
4971 \fi
4972 \ifnum \XePersian@i < 4
4973 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
4974 \advance \XePersian@y by -622\relax
4975 \else
4976 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
4977 \advance \XePersian@y by -621\relax
4978 \fi
4979 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
4980 \endcsname
4981 \ifnum\XePersian@i = 1
4982 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@pe
4983 \else
4984 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
4985 \fi
4986 \newcommand*{\persiantoday}{\%
4987 \number\XePersian@d\space\%
4988 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
4989 }
4990 \let\persianyear\XePersian@y

```

```

4991 \let\persianmonth\XePersian@m
4992 \let\persianday\XePersian@d
4993 \def\XePersian@persian@month#1{\ifcase#1\or or\
4994 or\
4995 or\    or\
4996 or\
4997 or\    or\
4998 or\    or\
4999 or\    or\
5000 {fi\

```



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## 8 Change History

v13.1	General: Added implementation of the package. . . . . 1	v13.5	General: Fixed the extra space after Persian decimal separator. . . 152
v13.2	General: Replaced <code>\reflect</code> with <code>\bidi@reflect@box</code> . . . . . 124	v13.6	General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character. 96