



# The XePersian *Package*

Documentation for *version 18.4*

*to my Master, Ferdowsi The Great*

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<https://github.com/tex-xet/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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# The XePersian *Package*

## Persian for $\text{\LaTeX}$ <sub>2 $\epsilon$</sub> , using Xe $\text{\TeX}$ engine

Documentation for [version 18.4](#)

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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 (c) 2008--2017 Vafa Khalighi
*
* v18.4, 2017/04/23
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/tex-xet/xepersian/issues
```



\*  
 \* Support: [persian-tex@tug.org](mailto: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 typesetting.

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 few options:

### 2.4.1 defaultlatinfontfeatures Option

```
defaultlatinfontfeatures=<value>
```

The `defaultlatinfontfeatures` option allows you to pass font features to the main Latin font. `<value>` is a set of font features.

### 2.4.2 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>



### 2.4.3 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:

`\KashidaOn`   `\KashidaOff`

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

☞ `\KashidaOff` disables Kashida.

### 2.4.4 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 escape (or `write18`) is not enabled.

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

### 2.4.5 quickindex-variant1 Option

Same as `quickindex` Option but uses variant one (in which  $\tilde{}$  is grouped under  $\bar{}$ ) for sorting Persian alphabets.

### 2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which  $\tilde{}$  is a separate letter) for sorting Persian alphabets.

### 2.4.7 localise Option

This option 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  $\LaTeX$  environments are shown in [Table 3](#) and Persian equivalents of XePersian environments are shown in [Table 4](#)





Please note that the Persian equivalents of  $\LaTeX$  and  $\TeX$  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  $\LaTeX$  and  $\TeX$  commands and environments, but still original  $\LaTeX$  and  $\TeX$  commands and environments work too.

The  $\TeX$   $\LaTeX$  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  $\LaTeX$  and  $\TeX$  Commands

Command in $\TeX$ or $\LaTeX$	Equivalent Persian Command
<code>\@arstrut</code>	<code>\شمع جدول</code>
<code>\above</code>	<code>\فوق</code>
<code>\abovedisplaysshortskip</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 بدنمایی</code>
<code>\advance</code>	<code>\بیفزابر</code>
<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>

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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>\allowbreak</code>	\شکستی
<code>\alloc@</code>	\تخصی@
<code>\allocationnumber</code>	\تخصیص یافته
<code>\allowdisplaybreaks</code>	\شکست نمایش مجاز
<code>\Alph</code>	\حروف بزرگ
<code>\alph</code>	\حروف کوچک
<code>\alsiname</code>	\نام همچنین
<code>\and</code>	\و
<code>\angle</code>	\زاویه
<code>\appendixname</code>	\عنوان پیوست
<code>\approx</code>	\تقریب
<code>\arabic</code>	\عربی
<code>\arg</code>	\آرگ
<code>\arrayrulecolor</code>	\رنگ خط جدول
<code>\arraycolsep</code>	\فاصله ستونهای آرایه
<code>\arrayrulewidth</code>	\ضخامت خط جدول
<code>\arraystretch</code>	\کشیدگی آرایه
<code>\AtBeginDocument</code>	\در آغاز نوشتار
<code>\AtEndDocument</code>	\در پایان نوشتار
<code>\AtEndOfClass</code>	\در انتهای طبقه
<code>\AtEndOfPackage</code>	\در انتهای سبک
<code>\author</code>	\نویسنده
<code>\backmatter</code>	\مطلب پشت
<code>\backslash</code>	\شکاف پشت
<code>\badness</code>	\بدنمایی
<code>\bar</code>	\میله
<code>\baselineskip</code>	\فاصله کرسی
<code>\baselinestretch</code>	\کشش فاصله کرسی
<code>\batchmode</code>	\پردازش دسته ای
<code>\begin</code>	\شروع
<code>\beginL</code>	\شروع چپ
<code>\beginR</code>	\شروع راست
<code>\begingroup</code>	\شروع گروه
<code>\belowdisplayshortskip</code>	\فاصله کوتاه پایین نمایش
<code>\belowdisplayskip</code>	\فاصله پایین نمایش
<code>\bf</code>	\سیاه
<code>\bfdefault</code>	\پیش فرض سیاه
<code>\bfseries</code>	\شمایل سیاه
<code>\bgroup</code>	\شرگروه
<code>\bibitem</code>	\مرجوع

*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>\bibliography</code>	\کتاب نامه
<code>\bibliographystyle</code>	\سبک کتاب نامه
<code>\bibname</code>	\عنوان کتاب نامه
<code>\bigskip</code>	\پرش بلند
<code>\bigskipamount</code>	\مقدار پرش بلند
<code>\botfigrule</code>	\خط پایین شناور
<code>\botmark</code>	\علامت پایین
<code>\bottompageskip</code>	\کادر تا پایین
<code>\bottomfraction</code>	\نسبت پایین
<code>\box</code>	\کادر
<code>\boxmaxdepth</code>	\حد اکثر عمق کادر
<code>\break</code>	\شکن
<code>\bullet</code>	\گلوله
<code>@cclv</code>	\دوپن @ پنج
<code>@ccclvi</code>	\دوپن @ شش
<code>\caption</code>	\شرح
<code>\catcode</code>	\کدرده
<code>\cc</code>	\رونوشت
<code>\ccname</code>	\نام رونوشت
<code>\cdot</code>	\نقطه وسط
<code>\cdots</code>	\نقاط وسط
<code>\centering</code>	\تنظیم از وسط
<code>\centerline</code>	\خط وسط
<code>\ch@ck</code>	\چک @ ن
<code>\chapter</code>	\فصل
<code>\chaptername</code>	\عنوان فصل
<code>\char</code>	\نویسه
<code>\chardef</code>	\تعریف نویسه
<code>\CheckCommand</code>	\برسی فرمان
<code>\cite</code>	\مرجع
<code>\ClassError</code>	\خطای طبقه
<code>\ClassInfo</code>	\اطلاع طبقه
<code>\ClassWarning</code>	\هشدار طبقه
<code>\ClassWarningNoLine</code>	\هشدار طبقه بی سطر
<code>\cleaders</code>	\نشانگر مرکزی
<code>\cleardoublepage</code>	\دو صفحه پاک
<code>\clearpage</code>	\صفحه پاک
<code>\cline</code>	\خط ناپر
<code>\closein</code>	\ببند ورودی
<code>\closeout</code>	\ببند خروجی

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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>\closing</code>	\بستن
<code>\clubpenalty</code>	\جریمه سر بند
<code>\clubsuit</code>	\خاج
<code>\colbotmark</code>	\علامت پایین ستون اول
<code>\colfirstmark</code>	\علامت اول ستون اول
<code>\color</code>	\رنگ
<code>\colorbox</code>	\کادر رنگ
<code>\coltopmark</code>	\علامت بالای ستون اول
<code>\columncolor</code>	\رنگ ستون
<code>\columnsep</code>	\بین ستون
<code>\columnwidth</code>	\پهنای ستون
<code>\columnseprule</code>	\خط بین ستون
<code>\contentsline</code>	\سطر فهرست
<code>\contentsname</code>	\عنوان فهرست مطالب
<code>\copy</code>	\کپی
<code>\copyright</code>	\حق تالیف
<code>\count</code>	\شمار
<code>\count@</code>	\شمار@
<code>\countdef</code>	\تعریف شمار
<code>\cr</code>	\سخ
<code>\crr</code>	\سخ سخ
<code>\csname</code>	\نام فرمان
<code>\CurrentOption</code>	\گزینه جاری
<code>\dashbox</code>	\کادر بینابین
<code>\dashv</code>	\بینابین ع
<code>\@date</code>	\@تاریخ
<code>\date</code>	\تاریخ
<code>\day</code>	\روز
<code>\dblbotfigrule</code>	\خط پایین شناور پهن
<code>\dblbottomfraction</code>	\نسبت پهن پایین
<code>\dblfigrule</code>	\خط بالای شناور پهن
<code>\dblfloatpagefraction</code>	\نسبت صفحه شناور پهن
<code>\dblfloatsep</code>	\فاصله بین شناور پهن
<code>\dblftntlocatecode</code>	\کد مکان غیرهما نطور
<code>\dbltextfloatsep</code>	\فاصله متن و شناور پهن
<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

*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>\DeclareOption</code>	<code>\اعلان گزینه</code>
<code>\DeclareRobustCommand</code>	<code>\اعلان فرمان قوی</code>
<code>\DeclareSymbolFont</code>	<code>\اعلان قلم علائم</code>
<code>\deadcycles</code>	<code>\دور بسته</code>
<code>\def</code>	<code>\تر</code>
<code>\define@key</code>	<code>\تعریف@کلید</code>
<code>\definecolor</code>	<code>\تعریف رنگ</code>
<code>\deg</code>	<code>\درجه</code>
<code>\delcode</code>	<code>\کد جداساز</code>
<code>\delimiter</code>	<code>\جداساز</code>
<code>\delimiterfactor</code>	<code>\ضریب جداساز</code>
<code>\depth</code>	<code>\گودی</code>
<code>\diamondsuit</code>	<code>\خشت</code>
<code>\dim</code>	<code>\بعد</code>
<code>\dimen</code>	<code>\بعد</code>
<code>\dimen@</code>	<code>\بعد@</code>
<code>\dimen@i</code>	<code>\بعد@یک</code>
<code>\dimen@ii</code>	<code>\بعد@دو</code>
<code>\dimendef</code>	<code>\تعریف بعد</code>
<code>\discretionary</code>	<code>\تیره گذاری</code>
<code>\displaybreak</code>	<code>\شکست نمایش</code>
<code>\displayindent</code>	<code>\تورفتگی نمایش</code>
<code>\displaystyle</code>	<code>\سبک نمایش</code>
<code>\displaywidth</code>	<code>\عرض نمایش</code>
<code>\divide</code>	<code>\تقسیم</code>
<code>\documentclass</code>	<code>\طبقه نوشتار</code>
<code>\do</code>	<code>\کن</code>
<code>\dospecials</code>	<code>\تعویض کدها</code>
<code>\dot</code>	<code>\نقطه</code>
<code>\doteq</code>	<code>\نقطه مساوی</code>
<code>\dotfill</code>	<code>\پر نقطه</code>
<code>\dots</code>	<code>\نقاط</code>
<code>\doublebox</code>	<code>\کادر دولا</code>
<code>\doublerulesepcolor</code>	<code>\رنگ فاصله دو خط جدول</code>
<code>\doublerulesep</code>	<code>\فاصله بین دو خط</code>
<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>\پا گروه</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>\eject</code>	<code>\انتهای فاصله</code>
<code>\else</code>	<code>\اگر نه</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>
<code>\everydisplay</code>	<code>\هرنمایش</code>
<code>\everyhbox</code>	<code>\هرکادر</code>
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هربند</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>\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>\رمزینه 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>
<code>\footheight</code>	<code>\بلندای پایین صفحه</code>
<code>\footins</code>	<code>\درج زیر نویس</code>
<code>\footnote</code>	<code>\زیر نویس</code>
<code>\footnotemark</code>	<code>\علامت زیر نویس</code>
<code>\footnoterule</code>	<code>\خط زیر نویس</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

\footnotesep	\فاصله تازیرنویس
\footnotesize	\اندازه زیرنویس
\footnotetext	\متن زیرنویس
\footskip	\فاصله تا پایین صفحه
\frame	\فریم
\framebox	\کادر با خط
\frenchspacing	\فواصل یکنواخت لاتین
\frontmatter	\مطلب پیش
\futurelet	\بعد بگذار
\@gobble	\@خورجری صانه
\@gobbletwo	\@خورجری صانه دو
\@gobblefour	\@خورجری صانه چهار
\@gtempa	\@عاقبت آ
\@gtempb	\@عاقبت ب
\gdef	\ترع
\GenericInfo	\الگوی اطلاع
\GenericWarning	\الگوی هشدار
\GenericError	\الگوی خطا
\global	\عام
\globaldefs	\تعاریف عام
\glossary	\لغت نامه
\glossaryentry	\فقره فرهنگ
\goodbreak	\خوش شکن
\graphpaper	\کاغذگراف
\guillemotleft	\گیومه چپ
\guillemotright	\گیومه راست
\guilsinglleft	\گیومه تکی چپ
\guilsinglright	\گیومه تکی راست
\halign	\ردیف ا
\hang	\بروتو
\hangafter	\بعد از سطر
\hangindent	\تورفتگی ثابت
\hbadness	\بدنمایی ا
\hbox	\کادرا
\headheight	\بلندای سرصفحه
\headsep	\فاصله از سرصفحه
\headtoname	\سربه نام
\heartsuit	\دل
\height	\بلندا
\hfil	\پرا

*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>\hfill</code>	<code>\</code> پررا
<code>\hfilneg</code>	<code>\</code> رفع‌پرا
<code>\hfuzz</code>	<code>\</code> پرزاقفی
<code>\hideskip</code>	<code>\</code> فاصله مخفی
<code>\hidewidth</code>	<code>\</code> عرض پنهان
<code>\hline</code>	<code>\</code> خط‌پر
<code>\hoffset</code>	<code>\</code> حاشیه‌ا
<code>\holdinginserts</code>	<code>\</code> حفظ درج
<code>\hrboxsep</code>	<code>\</code> فاصله اگر
<code>\hrule</code>	<code>\</code> خط‌ا
<code>\hrulefill</code>	<code>\</code> پرخط‌ا
<code>\hsize</code>	<code>\</code> طول سطر
<code>\hskip</code>	<code>\</code> فاصله‌ا
<code>\hspace</code>	<code>\</code> فضای‌ا
<code>\hss</code>	<code>\</code> هر دو
<code>\ht</code>	<code>\</code> ارتفاع
<code>\huge</code>	<code>\</code> بزرگ
<code>\Huge</code>	<code>\</code> بزرگ‌تر
<code>\hyperlink</code>	<code>\</code> ابر پیوند
<code>\hypersetup</code>	<code>\</code> بارگذاری ابر
<code>\hypertarget</code>	<code>\</code> هدف ابر
<code>\hyphenation</code>	<code>\</code> تیره‌بندی
<code>\hyphenchar</code>	<code>\</code> نویسه تیره
<code>\hyphenpenalty</code>	<code>\</code> جریمه تیره‌بندی
<code>\@ifclassloaded</code>	<code>\</code> @گر کلاس فراخوانی شده
<code>\@ifdefinable</code>	<code>\</code> @گر ترشدنی
<code>\@ifnextchar</code>	<code>\</code> @گر نویسه بعدی
<code>\@ifpackageloaded</code>	<code>\</code> @گر سبک فراخوانی شده
<code>\@ifstar</code>	<code>\</code> @گر ستاره
<code>\@ifundefined</code>	<code>\</code> @گر تعریف نشده
<code>\if</code>	<code>\</code> گر
<code>\if@tempswa</code>	<code>\</code> گر@سواقت‌آ
<code>\ifcase</code>	<code>\</code> گرانواع
<code>\ifcat</code>	<code>\</code> گررده
<code>\ifdefined</code>	<code>\</code> گر تعریف شده
<code>\ifdim</code>	<code>\</code> گر بعد
<code>\ifeof</code>	<code>\</code> گر ته‌پرونده
<code>\iff</code>	<code>\</code> گر
<code>\iffalse</code>	<code>\</code> گر نادرست
<code>\IfFileExists</code>	<code>\</code> گر پرونده موجود

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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>\ifhbox</code>	\گرکادرا
<code>\ifhmode</code>	\گرحالت ا
<code>\ifinner</code>	\گردرونی
<code>\ifmmode</code>	\گرحالت ریاضی
<code>\ifnum</code>	\گرعدد
<code>\ifodd</code>	\گرفرد
<code>\ifthenelse</code>	\گرآنگاه دیگر
<code>\iftrue</code>	\گردرست
<code>\ifvbox</code>	\گرکادرو
<code>\ifvmode</code>	\گرحالت و
<code>\ifvoid</code>	\گرتهی
<code>\ifx</code>	\گرنام
<code>\ignorespaces</code>	\فاصله خالی رانده بگير
<code>\immediate</code>	\فوری
<code>\include</code>	\شامل
<code>\includegraphics</code>	\درج تصویر
<code>\includeonly</code>	\مشمولین
<code>\indent</code>	\تورفتگی
<code>\index</code>	\درنمایه
<code>\indexentry</code>	\استعلام
<code>\indexname</code>	\عنوان نمایه
<code>\indexspace</code>	\فاصله رهنما
<code>\input</code>	\ورودی
<code>\InputIfFileExists</code>	\ورودپرونده گرموجود
<code>\inputlineno</code>	\شماره سطرورودی
<code>\insert</code>	\درج
<code>\insertpenalties</code>	\جریمه درج
<code>\interfootnotelinepenalty</code>	\جریمه بین سطرهای زیرنویس
<code>\interdisplaylinepenalty</code>	\جریمه بین سطرهای نمایش
<code>\interlinepenalty</code>	\جریمه بین سطرها
<code>\intertext</code>	\متن داخلی
<code>\intertextsep</code>	\فاصله شناورد رمتن
<code>\invisible</code>	\مخفی
<code>\itdefault</code>	\پیش فرض ای
<code>\itshape</code>	\شکل ایتالیک
<code>\item</code>	\فقره
<code>\itemindent</code>	\تورفتگی فقره
<code>\itemsep</code>	\فاصله فقره
<code>\iterate</code>	\تکرارکن
<code>\itshape</code>	\شکل ای

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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>\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>\کدکوچک</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>
<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>

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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>\let</code>	<code>\بگذار</code>
<code>\line</code>	<code>\سطر</code>
<code>\linebreak</code>	<code>\سطرشکن</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 بپایین</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@زاردو</code>
<code>\@Miii</code>	<code>\ده@زارسه</code>
<code>\@Miv</code>	<code>\ده@زارچهار</code>
<code>\@MM</code>	<code>\بیس@زار</code>
<code>\m@ne</code>	<code>\من@a</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>
<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>

*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>\makelabel</code>	\ساخت برچسب
<code>\makelabels</code>	\ساخت برچسب ها
<code>\MakeLowercase</code>	\ساخت حروف کوچک
<code>\maketitle</code>	\عنوان ساز
<code>\MakeUppercase</code>	\ساخت حروف بزرگ
<code>\marginpar</code>	\در حاشیه
<code>\marginparpush</code>	\فاصله دو حاشیه
<code>\marginparsep</code>	\فاصله تا حاشیه
<code>\marginparwidth</code>	\پهنای حاشیه
<code>\mark</code>	\علامت
<code>\markboth</code>	\علامت در دو طرف
<code>\markright</code>	\علامت در راست
<code>\mathaccent</code>	\اعراب ریاضی
<code>\mathchar</code>	\نویسه ریاضی
<code>\mathchardef</code>	\تعریف نویسه ریاضی
<code>\mathcode</code>	\کد ریاضی
<code>\mathrm</code>	\ریاضی رومن
<code>\maxdeadcycles</code>	\حد اکثر تکرار
<code>\maxdepth</code>	\حد اکثر عمق صفحه
<code>\maxdimen</code>	\بعد بیشین
<code>\mbox</code>	\کادر بی
<code>\mdseries</code>	\شمایل نازک
<code>\meaning</code>	\معنا
<code>\mediumseries</code>	\نازک
<code>\medmuskip</code>	\فاصله متوسط ریاضی
<code>\medskip</code>	\پرش متوسط
<code>\medskipamount</code>	\مقدار پرش متوسط
<code>\medspace</code>	\فضای متوسط
<code>\message</code>	\پیام
<code>\MessageBreak</code>	\پیام شکن
<code>\minrowclearance</code>	\حد اقل فاصله ردیف
<code>\mkern</code>	\دوری ریاضی
<code>\month</code>	\ماه
<code>\moveleft</code>	\انتقال بچپ
<code>\moveright</code>	\انتقال بر راست
<code>\mskip</code>	\فاصله ریاضی
<code>\m@th</code>	\ری @ ضی
<code>\multicolumn</code>	\چند ستونی
<code>\multiply</code>	\ضرب
<code>\multispan</code>	\چند ادغام

*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>\muskip</code>	<code>\ميوفاصله</code>
<code>\muskipdef</code>	<code>\تعريف ميوفاصله</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>\طبيعي</code>
<code>\nearrow</code>	<code>\باريك</code>
<code>\nearrower</code>	<code>\باريکتر</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>\گر 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>\ميوفاصله جديد</code>
<code>\newpage</code>	<code>\صفحه جديد</code>
<code>\newread</code>	<code>\بخوان جديد</code>
<code>\newsavebox</code>	<code>\تعريف کادر جديد</code>
<code>\newskip</code>	<code>\فاصله جديد</code>
<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>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</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>\nobreakspace</code>	\فاصله نشکستی
<code>\nocite</code>	\بدون سند
<code>\noexpand</code>	\نگستر
<code>\nofiles</code>	\بدون پرونده
<code>\noindent</code>	\بدون تورفتگی
<code>\nointerlineskip</code>	\بی فاصله سطر
<code>\nolimits</code>	\بدون حد
<code>\nolinebreak</code>	\سطرنشکن
<code>\nonstopmode</code>	\پردازش بدون توقف
<code>\nonfrenchspacing</code>	\فواصل متعارف لاتین
<code>\nonumber</code>	\بدون شماره
<code>\nopagebreak</code>	\صفحه نشکن
<code>\normalbaselines</code>	\کرسیهای متعارف
<code>\normalbaselineskip</code>	\فاصله کرسی متعارف
<code>\normalcolor</code>	\رنگ عادی
<code>\normalfont</code>	\قلم عادی
<code>\normallineskip</code>	\فاصله سطرمتعارف
<code>\normallineskiplimit</code>	\حد فاصله سطرمتعارف
<code>\normalmarginpar</code>	\در حاشیه عادی
<code>\normalsize</code>	\اندازه عادی
<code>\notag</code>	\بدون اتیکت
<code>\null</code>	\نول
<code>\nullfont</code>	\قلم تهی
<code>\number</code>	\عدد
<code>\numberline</code>	\سطر عددی
<code>\numberwithin</code>	\شماره مطابق
<code>\@evenfoot</code>	\پایین صفحه زوج
<code>\@evenhead</code>	\بالای صفحه زوج
<code>\@oddfoot</code>	\پایین صفحه فرد
<code>\@oddhead</code>	\بالای صفحه فرد
<code>\@outeqntrue</code>	\شماره بیرون درست
<code>\@outeqnfalse</code>	\شماره بیرون نادرست
<code>\obeylines</code>	\سطر به سطر
<code>\obeyspaces</code>	\فضا فعال
<code>\oddsidemargin</code>	\حاشیه فرد
<code>\offinterlineskip</code>	\سطور بی فاصله
<code>\omit</code>	\حذف
<code>\@onlypreamble</code>	\@تنها در پیش درآمد
<code>\onecolumn</code>	\یک ستون
<code>\onlynotes</code>	\تنها یادداشت ها

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\onlyslides	\تنها اسلایدها
\openin	\بازکن ورودی
\openout	\بازکن خروجی
\OptionNotUsed	\گزینه مصرف نشده
\or	\یا
\outer	\برونی
\output	\صفحه بندی
\outputpenalty	\جریمه صفحه بندی
\overfullrule	\علامت سرریز
\@preamblecmds	\@فرمان های پیش در آمد
\p@	\@پو
\PackageError	\خطای سبک
\PackageInfo	\اطلاع سبک
\PackageWarning	\هشدار سبک
\PackageWarningNoLine	\هشدار سبک بی سطر
\pagebreak	\صفحه شکن
\pagecolor	\رنگ صفحه
\pagedepth	\عمق صفحه
\pagefillllstretch	\کشش پررر صفحه
\pagefilllstretch	\کشش پرر صفحه
\pagefilstretch	\کشش پر صفحه
\pagegoal	\غایت صفحه
\pagename	\نام صفحه
\pagenumbering	\شماره گذاری صفحه
\pageref	\ارجوع صفحه
\pagerulewidth	\ضخامت خط صفحه
\pageshrink	\فشرده گی صفحه
\pagestretch	\کشش صفحه
\pagestyle	\سبک صفحه
\pagetotal	\جمع صفحه
\paperheight	\بلندای کاغذ
\paperwidth	\پهنای کاغذ
\par	\بند
\paragraph	\پارا گراف
\parallel	\موازی
\parbox	\کادر پار
\parfillskip	\فاصله ته بند
\parindent	\تورفتگی سر بند
\parsep	\فاصله بند لیست
\parshape	\شکل بند

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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>\parskip</code>	<code>\فاصله‌بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان‌بخش</code>
<code>\partopsep</code>	<code>\فاصله‌بالای لیست‌بند</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>\predisplaysize</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>\رادیكال</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 ببالا</code>
<code>\raisebox</code>	<code>\بالا بر</code>
<code>\raisetag</code>	<code>\ترفع اتیكت</code>
<code>\rangle</code>	<code>\زاویه ر</code>
<code>\rceil</code>	<code>\سقف ر</code>
<code>\read</code>	<code>\بخوان</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>\ref</code>	<code>\رجوع</code>
<code>\reflectbox</code>	<code>\کادرقرینه</code>
<code>\refname</code>	<code>\عنوان مراجع</code>
<code>\refstepcounter</code>	<code>\گام شمارنده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removeatlastskip</code>	<code>\رفع آخرین فاصله</code>
<code>\renewcommand</code>	<code>\فرمان ازنو</code>
<code>\renewenvironment</code>	<code>\محیط ازنو</code>
<code>\repeat</code>	<code>\ازنو</code>
<code>\RequirePackage</code>	<code>\سبک موردنیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک موردنیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادرکشیده</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>
<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>\scriptstyle</code>	<code>\سبک ته نوشت</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>\scrollmode</code>	<code>\پردازش‌گذری</code>
<code>\section</code>	<code>\قسمت</code>
<code>\secdef</code>	<code>\تعریف‌قسمت</code>
<code>\see</code>	<code>\ببینید</code>
<code>\seealso</code>	<code>\نیز‌ببینید</code>
<code>\seename</code>	<code>\نام‌ببینید</code>
<code>\selectfont</code>	<code>\قلم‌بردار</code>
<code>\setboolean</code>	<code>\تنظیم‌بولی</code>
<code>\setbox</code>	<code>\در‌کادر</code>
<code>\setcounter</code>	<code>\مقدار‌شمارنده</code>
<code>\setkeys</code>	<code>\مقدار‌کلیدها</code>
<code>\setlength</code>	<code>\مقدار‌بعد</code>
<code>\setminus</code>	<code>\تنظیم‌منها</code>
<code>\SetSymbolFont</code>	<code>\تعریف‌قلم‌علائم</code>
<code>\settodepth</code>	<code>\تنظیم‌به‌عمق</code>
<code>\settoheight</code>	<code>\تنظیم‌به‌ارتفاع</code>
<code>\settowidth</code>	<code>\مقدار‌بعد‌به‌اندازه</code>
<code>\sfcode</code>	<code>\کد‌ضریب‌فاصله</code>
<code>\sfdefault</code>	<code>\پیش‌فرض‌س‌ف</code>
<code>\sffamily</code>	<code>\فامیل‌سن‌سریف</code>
<code>\shadowbox</code>	<code>\کادر‌سایه‌دار</code>
<code>\sharp</code>	<code>\تیز</code>
<code>\shipout</code>	<code>\بفرست</code>
<code>\shortstack</code>	<code>\پشته‌کوتاه</code>
<code>\show</code>	<code>\نمایش‌ده</code>
<code>\showbox</code>	<code>\نمایش‌ده‌کادر</code>
<code>\showboxbreadth</code>	<code>\میزان‌نمایش‌کادر</code>
<code>\showboxdepth</code>	<code>\عمق‌نمایش‌کادر</code>
<code>\showlists</code>	<code>\نمایش‌ده‌لیستها</code>
<code>\showthe</code>	<code>\نمایش‌ده‌محتوای</code>
<code>\simplefontmode</code>	<code>\حالت‌ساده‌قلم</code>
<code>\sist@n</code>	<code>\شانزد@</code>
<code>\skewchar</code>	<code>\نویسه‌اریب</code>
<code>\skip</code>	<code>\فاصله</code>
<code>\skip@</code>	<code>\فاصل@</code>
<code>\skipdef</code>	<code>\تعریف‌فاصله</code>
<code>\sl</code>	<code>\خوابیده</code>
<code>\sldefault</code>	<code>\پیش‌فرض‌خو</code>
<code>\slshape</code>	<code>\شکل‌خوابیده</code>
<code>\sloppy</code>	<code>\راحت‌چین</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>\slshape</code>	\شمايل خو
<code>\small</code>	\کو چک
<code>\smallskip</code>	\پرش کوتاه
<code>\smallskipamount</code>	\مقدار پرش کوتاه
<code>\smash</code>	\کوب
<code>\smile</code>	\لبخند
<code>\snglftlocatencode</code>	\کدمکان همانطور
<code>\space</code>	\فضا
<code>\spacefactor</code>	\ضریب فاصله
<code>\spaceskip</code>	\فاصله کلمات
<code>\spadesuit</code>	\پیک
<code>\span</code>	\ادغام
<code>\special</code>	\ویژه
<code>\splitmaxdepth</code>	\حد اکثر عمق ستون
<code>\splittopskip</code>	\فاصله بالای ستون
<code>\star</code>	\ستاره
<code>\stepcounter</code>	\گام شمارنده
<code>\stretch</code>	\کشی
<code>\string</code>	\رشته
<code>\strut</code>	\شمع
<code>\strutbox</code>	\کادر شمع
<code>\subitem</code>	\زیر بند
<code>\subparagraph</code>	\زیر پاراگراف
<code>\subsection</code>	\زیر قسمت
<code>\substack</code>	\زیر پشته
<code>\subsubitem</code>	\زیر زیر بند
<code>\subsubsection</code>	\زیر زیر قسمت
<code>\subset</code>	\زیر مجموعه
<code>\subseteq</code>	\زیر مجموعه مساوی
<code>\supereject</code>	\منتهای صفحه
<code>\suppressfloats</code>	\حذف مکان شناور
<code>\@tempa</code>	\@موقت آ
<code>\@tempb</code>	\@موقت ب
<code>\@tempc</code>	\@موقت پ
<code>\@tempd</code>	\@موقت ت
<code>\@tempe</code>	\@موقت ث
<code>\@tempboxa</code>	\@کادرقت آ
<code>\@tempcnta</code>	\@شماقت آ
<code>\@tempcntb</code>	\@شماقت ب
<code>\@tempdima</code>	\@بعدقت آ

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### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

\@tempdimb	\@بعدقتب
\@tempdimc	\@بعدقتپ
\@tempskipa	\@فاقتآ
\@tempskipb	\@فاقتب
\@tempswafalse	\@سواقتآنادرست
\@tempswatrue	\@سواقتآدرست
\@temptokena	\@جزقتآ
\@thefnmark	\انگ زیرنویس
\@thirdofthree	\@سومی ازسه
\tabbingsep	\فاصله جاگذاری
\tabcolsep	\فاصله بین ستونها
\tableofcontents	\فهرست مطالب
\tablename	\عنوان جدول
\tabskip	\فاصله ستونها
\tabularnewline	\ته سطرجدول
\tag	\اتیکت
\telephone	\تلفن
\TeX	\تک
\text	\متن
\textbullet	\گلوله متنی
\textfont	\قلم متن
\textemdash	\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 ترممتنی
\textless	\کمترمتنی
\textbf	\متن سیاه
\textcircled	\مدورمتنی
\textcolor	\رنگ متن
\textcompwordmark	\نشان کلمه مرکب متن
\textfloatsep	\فاصله متن و شناور

*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>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindent</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتي متني
<code>\textrm</code>	\متن رومن
<code>\textsc</code>	\متن تمام بزرگ
<code>\textsf</code>	\متن سن سریف
<code>\textsl</code>	\متن خوابیده
<code>\textstyle</code>	\سبك متني
<code>\textsuperscript</code>	\بالا نويس متني
<code>\texttrademark</code>	\علامت تجاري متني
<code>\texttt</code>	\متن تایپ
<code>\textup</code>	\متن ایستاده
<code>\textwidth</code>	\پهنای متن
<code>\thanks</code>	\زیرنویس عنوان
<code>\the</code>	\محتوای
<code>\thempfn</code>	\این زیرنویس
<code>\thicklines</code>	\خط ها ضخیم
<code>\thickmskip</code>	\فاصله زیاد ریاضی
<code>\thinmskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبك این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد
<code>\tiny</code>	\ظریف
<code>\time</code>	\زمان
<code>\times</code>	\ضرب در
<code>\title</code>	\عنوان
<code>\to</code>	\به
<code>\today</code>	\امروز
<code>\toks</code>	\جزء
<code>\toksdef</code>	\تعریف جزء
<code>\tolerance</code>	\حد بدنامی
<code>\top</code>	\بالا

*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>\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>\در نویسی</code>
<code>\typeout</code>	<code>\بر نویسی</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 کادر</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>
<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>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\usecounter	\باشمارشگر
\usefont	\گزینه‌ش قلم
\usepackage	\سبک لازم
\@vobeyspaces	\@فضاهای فعال
\@void	\@تهی
\vadjust	\تنظیم و
\valign	\ردیف و
\value	\محتوای شمارنده
\vbadness	\بدنمایی و
\vbox	\کادر و
\vcenter	\کادر وسط
\verb	\همانطور
\vfil	\پرو
\vfill	\پررو
\vfilneg	\رفع پرو
\vfuzz	\پرزعمودی
\visible	\نمایان
\vline	\خط عمود
\voffset	\حاشیه و
\voidb@x	\ک@درتهی
\vpageref	\ارجاع صفحه ع
\vrbboxsep	\فاصله وگرد
\vref	\ارجاع ع
\vrule	\خط و
\vsize	\طول صفحه
\vskip	\فاصله و
\vspace	\فضای و
\vsplit	\شکست و
\vss	\هر دو و
\vtop	\کادر گود
\wd	\عرض
\whiledo	\مادام بکن
\widehat	\کلاه پهن
\widetilde	\مد پهن
\widowpenalty	\جریمه ته بند
\width	\پهنا
\wlog	\درکارنامه
\write	\بنویس
\@xobeysp	\@فضای لاتین
\@xxxii	\سی@دو

*Continued on next page*





Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\xdef	\ترگع
\xleaders	\نشانگر گسترشی
\xspaceskip	\فاصله اضافی کلمات
\year	\سال
\z@	\@فر
\z@skip	\@فر فاصله

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 چپ
\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	\دوستونی 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
\rightfootnoterule	\خط زیرنویس راست
\rl	\متن پارسی
\RLE	\راست بچپ
\RTLdblcol	\دوستونی راست
\RTLfootnote	\پانویس

*Continued on next page*



Command in XePersian	Equivalent Persian Command
<code>\RTLfootnotetext</code>	\متن پانوشت
<code>\RTLthanks</code>	\پانوشت عنوان
<code>\@SepMark</code>	\@علامت بین
<code>\SepMark</code>	\علامت بین
<code>\setdefaultbibitems</code>	\بگذارمرجوعات عادی
<code>\setdefaultmarginpar</code>	\بگذاردرجاشیه عادی
<code>\setdigitfont</code>	\گزینش قلم اعداد فرمولها
<code>\setfootnoteLR</code>	\بگذارزیرنویس چپ
<code>\setfootnoteRL</code>	\بگذارزیرنویس راست
<code>\setlatintextfont</code>	\گزینش قلم لاتین متن
<code>\setLTR</code>	\بگذارمتن چپ
<code>\setLTRbibitems</code>	\بگذارمرجوعات چپ
<code>\setLTRmarginpar</code>	\بگذاردرجاشیه چپ
<code>\setRTL</code>	\بگذارمتن راست
<code>\setRTLbibitems</code>	\بگذارمرجوعات راست
<code>\setRTLmarginpar</code>	\بگذاردرجاشیه راست
<code>\settextfont</code>	\گزینش قلم متن
<code>\textwidthfootnoterule</code>	\خط زیرنویس پهنای متن
<code>\twocolumnstableofcontents</code>	\فهرست مطالب دو ستونی
<code>\unsetfootnoteRL</code>	\نگذارزیرنویس راست
<code>\unsetLTR</code>	\نگذارمتن چپ
<code>\unsetRTL</code>	\نگذارمتن راست
<code>\vboxL</code>	\کادر وازچپ
<code>\vboxR</code>	\کادر وازراست
<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  $\text{\LaTeX}$  Environments

Environment in $\text{\LaTeX}$	Equivalent Persian Environment
<code>abstract</code>	چکیده
<code>appendix</code>	پیوست
<code>array</code>	آرایه
<code>center</code>	وسط چین
<code>description</code>	توضیح
<code>displaymath</code>	ریاضی نمایشی
<code>document</code>	نوشتار
<code>enumerate</code>	شمارش
<code>figure</code>	شکل

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Environment in $\text{\LaTeX}$	Equivalent Persian Environment
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 رج
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چندستونی 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*
verse	شعر

Table 4: The Equivalent XePersian Environments

Environment in XePersian	Equivalent Persian Environment
latin	لاتین
LTR	متن چپ

*Continued on next page*



Environment in XePersian	Equivalent Persian Environment
LTRitems	دسته‌بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته‌بندی 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  $\text{\LaTeX}$  position arguments

Position argument in $\text{\LaTeX}$	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).

#### 2.4.8 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

*Continued on next page*



Original Key	Equivalent Persian Key
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

#### 2.4.9 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	تحويل دهنده
BoldFont	قلم سیاه
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک

*Continued on next page*



Original font feature	Equivalent Persian font feature
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
RawFeature	ویژگی های کال
CharacterWidth	پهنای نویسه
Numbers	ارقام
Contextuals	متنی

*Continued on next page*



Original font feature	Equivalent Persian font feature
Diacritics	تفکیک کننده ها
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	اسکریپت ریاضی
Style	MathScriptScript	اسکریپت اسکریپت 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 زیر قسمت}
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 T<sub>E</sub>X 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 T<sub>E</sub>X 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 T<sub>E</sub>X 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}  
\iranicfamily \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  $\text{\LaTeX}$  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 T<sub>E</sub>X 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 T<sub>E</sub>X'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 T<sub>E</sub>X'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 bidi 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 l, 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 T<sub>E</sub>X expressions, however the tokens A, a, I, i, 1, l, 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 FarsiT<sub>E</sub>X Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiT<sub>E</sub>X files to XePersian or unicode. This program can be found in doc folder with the name ftxe-0.12.py. To convert your FarsiT<sub>E</sub>X files to XePersian, put ftxe-0.12.py in the same directory that your FarsiT<sub>E</sub>X 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 (FarsiT<sub>E</sub>X 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

<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.



caption; *<image>* defines the relative path to the image. In order to include the first piece of article use

```
\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 [subsub-](#)



[section 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  $\langle title \rangle$  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{\langle image \rangle}{\langle day-name \rangle}{\langle max \rangle}{\langle min \rangle}{\langle short-des \rangle}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy),  $\langle day-name \rangle$  like Monday,  $\langle max \rangle$  and  $\langle min \rangle$  are the highest and lowest day temperatures and  $\langle short-des \rangle$  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}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle pagesof \rangle}{\langle label \rangle}  
... \langle text \rangle ...  
\end{article}
```

The first argument  $\langle num-of-columns \rangle$  sets the number of columns the article will be divided whereas  $\langle label \rangle$  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 multicols 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 *`\section name`*. 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`.



`\pictureCaptionFormat \pagesFormat`

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

`\innerTitleFormat \innerSubtitleFormat \innerAuthorFormat  
\innerPlaceFormat`

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.

`\timestampTxt \timestampSeparator \timestampFormat`

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.

`\innerTextFinalMark`

`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.

`\minraggedcols \raggedFormat`

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 layout.

## 6.2 Typesetting Multiple-choice Questions

### 6.2.1 Introduction

xepersian-multiplechoice is a package for making multiple choices questionnaires under  $\text{\LaTeX}$ . 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 \ جواب  
4 \false \ جواب  
5 \false \ 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  $\TeX$  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

`\makeform \makemask`

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

`\questionspace \answerstitlefont \answernumberfont`

`\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

`\headerfont \X`

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

`\truesymbol \falsesymbol`

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:

`\truesymbol{\ding{'063}~}  
\falsesymbol{\ding{'067}~}`

`\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}[2017/02/04 v0.4 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

```

## 7.4 amsbook-xepersian.def

```

14 \ProvidesFile{amsbook-xepersian.def}[2017/02/04 v0.5 adaptations for amsbook class]
15 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
16 \renewcommand \thepart {\@tartibi\c@part}
17 \def\appendix{\par
18 \c@chapter\z@ \c@section\z@
19 \let\chaptername\appendixname
20 \def\thechapter{\@harfi\c@chapter}}
21
22

```

## 7.5 appendix-xepersian.def

```

23 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
24 \renewcommand{\@resets@pp}{\par
25 \@ppsavesec
26 \stepcounter{@pps}
27 \setcounter{section}{0}%
28 \if@chapter@pp
29 \setcounter{chapter}{0}%
30 \renewcommand\@chapapp{\appendixname}%
31 \renewcommand\thechapter{\@harfi\c@chapter}%
32 \else
33 \setcounter{subsection}{0}%
34 \renewcommand\thesection{\@harfi\c@section}%
35 \fi
36 \restoreapp
37 }

```

## 7.6 article-xepersian.def

```

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

```



```

39 \renewcommand \thepart {\@tartibi\c@part}
40 \renewcommand\appendix{\par
41 \setcounter{section}{0}%
42 \setcounter{subsection}{0}%
43 \gdef\thesection{\@harfi\c@section}}

```

## 7.7 artikel1-xepersian.def

```

44 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
45 \renewcommand*\thepart{\@tartibi\c@part}
46 \renewcommand*\appendix{\par
47 \setcounter{section}{0}%
48 \setcounter{subsection}{0}%
49 \gdef\thesection{\@harfi\c@section}}

```

## 7.8 artikel2-xepersian.def

```

50 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
51 \renewcommand*\thepart{\@tartibi\c@part}
52 \renewcommand*\appendix{\par
53 \setcounter{section}{0}%
54 \setcounter{subsection}{0}%
55 \gdef\thesection{\@harfi\c@section}}

```

## 7.9 artikel3-xepersian.def

```

56 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
57 \renewcommand*\thepart{\@tartibi\c@part}
58 \renewcommand*\appendix{\par
59 \setcounter{section}{0}%
60 \setcounter{subsection}{0}%
61 \gdef\thesection{\@harfi\c@section}}

```

## 7.10 backref-xepersian.def

```

62 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
63 \def\backrefpagesname{\if@RTL else\ pages\fi}
64 \def\BR@Latincitex[#1]#2{%
65 \BRorg@Latincitex[#1]#2}%
66 \ifBR@verbose
67 \PackageInfo{backref}{back Latin cite \string`#2\string'}%
68 \fi
69 \Hy@backout{#2}%
70 }
71 \AtBeginDocument{%
72 \@ifundefined{NAT@parse}{%
73 \global\let\BRorg@Latincitex\@Latincitex
74 \global\let\@Latincitex\BR@Latincitex
75 }{%
76 \@ifpackageloaded{hyperref}{%
77 \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
78 }%
79 \PackageInfo{backref}{** backref set up for natbib **}%

```



```

80 }%
81 }%

```

### 7.11 bidentuftsidenote-xepersian.def

```

82 \ProvidesFile{bidentuftsidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidentufts
83
84 \setLTRcitationfont{\resetlatinfont\footnotesize}
85
86 \renewcommand*{\@bidentuftsidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
87
88 \renewcommand*{\@bidentuftsidenote@RTLmarginfont}{\setpersianfont\footnotesize}
89
90

```

### 7.12 bidimoderncv-xepersian.def

```

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

```

### 7.13 boek3-xepersian.def

```

93 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
94 \renewcommand*\thepart{\@tartibi\c@part}
95 \renewcommand*\frontmatter{%
96   \cleardoublepage
97   \@mainmatterfalse
98   \pagenumbering{harfi}}
99 \renewcommand*\appendix{\par
100   \setcounter{chapter}{0}%
101   \setcounter{section}{0}%
102   \gdef\@chapapp{\appendixname}%
103   \gdef\thechapter{\@harfi\c@chapter}}

```

### 7.14 boek-xepersian.def

```

104 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
105 \renewcommand*\thepart{\@tartibi\c@part}
106 \renewcommand*\frontmatter{%
107   \cleardoublepage
108   \@mainmatterfalse
109   \pagenumbering{harfi}}
110 \renewcommand*\appendix{\par
111   \setcounter{chapter}{0}%
112   \setcounter{section}{0}%
113   \gdef\@chapapp{\appendixname}%
114   \gdef\thechapter{\@harfi\c@chapter}}

```

### 7.15 bookest-xepersian.def

```

115 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
116 \renewcommand \thepart {\@tartibi\c@part}
117 \renewcommand\appendix{\par

```



```

118 \setcounter{chapter}{0}%
119 \setcounter{section}{0}%
120 \gdef\@chapapp{\appendixname}%
121 \gdef\thechapter{\@harfi\c@chapter}
122 }%end appendix

```

## 7.16 book-xepersian.def

```

123 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
124 \renewcommand\frontmatter{%
125     \cleardoublepage
126     \@mainmatterfalse
127     \pagenumbering{harfi}}
128 \renewcommand \thepart {\@tartibi\c@part}
129 \renewcommand\appendix{\par
130     \setcounter{chapter}{0}%
131     \setcounter{section}{0}%
132     \gdef\@chapapp{\appendixname}%
133     \gdef\thechapter{\@harfi\c@chapter}
134 }%end appendix

```

## 7.17 breqn-xepersian.def

```

135 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
136 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
137     \everydisplay\expandafter{\the\everydisplay \display@setup}%
138     \if@noskipsec \leavevmode \fi
139     \if@inlabel \leavevmode \global\@inlabelfalse \fi
140     \if\eq@group\else\eq@prelim\fi
141     \setkeys{breqn}{#1}%
142     \the\eqstyle
143     \eq@setnumber
144     \begingroup
145     \eq@setup@a
146     \eq@startup
147 }
148 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
149     \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
150     \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
151     \global\let\GRP@label\@empty
152     \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
153     \global\grp@linewidth\z@\global\grp@wdNum\z@
154     \global\let\grp@eqs@numbered\@False
155     \global\let\grp@aligned\@True
156     \global\let\grp@shiftnumber\@False
157     \eq@prelim
158     \setkeys{breqn}{#1}%
159     \if\grp@hasNumber \grp@setnumber \fi
160 }
161 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
162     \let\display@setup\dseries@display@setup

```



```

163 % Question: should this be the default for dseries???
164 \global\eq@wdCond\z@
165 \@dmath[layout={M},#1]%
166 \mathsurround\z@\@math \penalty\@Mi
167 \let\endmath\ends@math
168 \def\premath{%
169     \ifdim\lastskip<.3em \unskip
170     \else\ifnum\lastpenalty<\@M \dquad\fi\fi
171 }%
172 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
173 \ignorespaces
174 }

```

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

```

175 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of L
176 \eqcommand{ }{@arstrut}
177 \eqcommand{ }{above}
178 \eqcommand{ }{abovedisplayshortskip}
179 \eqcommand{ }{abovedisplayskip}
180 \eqcommand{ }{abstractname}
181 \eqcommand{ }{accent}
182 \eqcommand{ }{active}
183 \eqcommand{ }{addcontentsline}
184 \eqcommand{ }{addpenalty}
185 \eqcommand{ }{address}
186 \eqcommand{ }{addtocontents}
187 \eqcommand{ }{addtocounter}
188 \eqcommand{ }{addtolength}
189 \eqcommand{ }{addvspace}
190 \eqcommand{ }{adjdemerits}
191 \eqcommand{ }{advance}
192 \eqcommand{ }{afterassignment}
193 \eqcommand{ }{aftergroup}
194 \eqcommand{ }{aleph}
195 \eqcommand{ }{aliasfontfeature}
196 \eqcommand{ }{aliasfontfeatureoption}
197 \eqcommand{ }{allowbreak}
198 \eqcommand{ @}{alloc@}
199 \eqcommand{ }{allocationnumber}
200 \eqcommand{ }{allowdisplaybreaks}
201 \eqcommand{ }{Alph}
202 \eqcommand{ }{alph}
203 \eqcommand{ }{alsoname}
204 \eqcommand{ }{and}
205 \eqcommand{ }{angle}
206 \eqcommand{ }{appendixname}
207 \eqcommand{ }{approx}
208 \eqcommand{ }{arabic}
209 \eqcommand{ }{arg}

```



```

210 \eqcommand{      }\{arrayrulecolor\}
211 \eqcommand{      }\{arraycolsep\}
212 \eqcommand{      }\{arrayrulewidth\}
213 \eqcommand{      }\{arraystretch\}
214 \eqcommand{      }\{AtBeginDocument\}
215 \eqcommand{      }\{AtEndDocument\}
216 \eqcommand{      }\{AtEndOfClass\}
217 \eqcommand{      }\{AtEndOfPackage\}
218 \eqcommand{      }\{author\}
219 \eqcommand{      }\{backmatter\}
220 \eqcommand{      }\{backslash\}
221 \eqcommand{      }\{badness\}
222 \eqcommand{      }\{bar\}
223 \eqcommand{      }\{baselineskip\}
224 \eqcommand{      }\{baselinestretch\}
225 \eqcommand{      }\{batchmode\}
226 \eqcommand{      }\{begin\}
227 \eqcommand{      }\{beginL\}
228 \eqcommand{      }\{beginR\}
229 \eqcommand{      }\{begingroup\}
230 \eqcommand{      }\{belowdisplayshortskip\}
231 \eqcommand{      }\{belowdisplayskip\}
232 \eqcommand{      }\{bf\}
233 \eqcommand{      }\{bfdefault\}
234 \eqcommand{      }\{bfseries\}
235 \eqcommand{      }\{bgroup\}
236 \eqcommand{      }\{bibitem\}
237 \eqcommand{      }\{bibliography\}
238 \eqcommand{      }\{bibliographystyle\}
239 \eqcommand{      }\{bibname\}
240 \eqcommand{      }\{bigskip\}
241 \eqcommand{      }\{bigskipamount\}
242 \eqcommand{      }\{botfigrule\}
243 \eqcommand{      }\{botmark\}
244 \eqcommand{      }\{bottompageskip\}
245 \eqcommand{      }\{bottomfraction\}
246 \eqcommand{      }\{box\}
247 \eqcommand{      }\{boxmaxdepth\}
248 \eqcommand{      }\{break\}
249 \eqcommand{      }\{bullet\}
250 \eqcommand{ @    }\{@cclv\}
251 \eqcommand{ @    }\{@cclvi\}
252 \eqcommand{      }\{caption\}
253 \eqcommand{      }\{catcode\}
254 \eqcommand{      }\{cc\}
255 \eqcommand{      }\{ccname\}
256 \eqcommand{      }\{cdot\}
257 \eqcommand{      }\{cdots\}
258 \eqcommand{      }\{centering\}
259 \eqcommand{      }\{centerline\}

```



```

260 \eqcommand{ @ }{ch@ck}
261 \eqcommand{ }{chapter}
262 \eqcommand{ }{chaptername}
263 \eqcommand{ }{char}
264 \eqcommand{ }{chardef}
265 \eqcommand{ }{CheckCommand}
266 \eqcommand{ }{cite}
267 \eqcommand{ }{ClassError}
268 \eqcommand{ }{ClassInfo}
269 \eqcommand{ }{ClassWarning}
270 \eqcommand{ }{ClassWarningNoLine}
271 \eqcommand{ }{cleaders}
272 \eqcommand{ }{cleardoublepage}
273 \eqcommand{ }{clearpage}
274 \eqcommand{ }{cline}
275 \eqcommand{ }{closein}
276 \eqcommand{ }{closeout}
277 \eqcommand{ }{closing}
278 \eqcommand{ }{clubpenalty}
279 \eqcommand{ }{clubsuit}
280 \eqcommand{ }{colbotmark}
281 \eqcommand{ }{colfirstmark}
282 \eqcommand{ }{color}
283 \eqcommand{ }{colorbox}
284 \eqcommand{ }{coltopmark}
285 \eqcommand{ }{columncolor}
286 \eqcommand{ }{columnsep}
287 \eqcommand{ }{columnwidth}
288 \eqcommand{ }{columnseprule}
289 \eqcommand{ }{contentsline}
290 \eqcommand{ }{contentsname}
291 \eqcommand{ }{copy}
292 \eqcommand{ }{copyright}
293 \eqcommand{ }{count}
294 \eqcommand{ @}{count@}
295 \eqcommand{ }{countdef}
296 \eqcommand{ }{cr}
297 \eqcommand{ }{crr}
298 \eqcommand{ }{csname}
299 \eqcommand{ }{CurrentOption}
300 \eqcommand{ }{dashbox}
301 \eqcommand{ }{dashv}
302 \eqcommand{ @ }{@date}
303 \eqcommand{ }{date}
304 \eqcommand{ }{day}
305 \eqcommand{ }{dblbotfigrule}
306 \eqcommand{ }{dblbottomfraction}
307 \eqcommand{ }{dblfigrule}
308 \eqcommand{ }{dblfloatpagefraction}
309 \eqcommand{ }{dblfloatsep}

```



```

310 \eqcommand{      }\{dblfnfloatcode\}
311 \eqcommand{      }\{dbltextfloatsep\}
312 \eqcommand{      }\{dbltopfraction\}
313 \eqcommand{      }\{DeclareFixedFont\}
314 \eqcommand{      }\{DeclareGraphicsExtensions\}
315 \eqcommand{      }\{DeclareGraphicsRule\}
316 \eqcommand{      }\{DeclareOldFontCommand\}
317 \eqcommand{      }\{DeclareOption\}
318 \eqcommand{      }\{DeclareRobustCommand\}
319 \eqcommand{      }\{DeclareSymbolFont\}
320 \eqcommand{      }\{deadcycles\}
321 \eqcommand{ }\{def\}
322 \eqcommand{ @ }\{define@key\}
323 \eqcommand{   }\{definecolor\}
324 \eqcommand{ }\{deg\}
325 \eqcommand{ }\{delcode\}
326 \eqcommand{ }\{delimiter\}
327 \eqcommand{ }\{delimiterfactor\}
328 \eqcommand{ }\{depth\}
329 \eqcommand{ }\{diamondsuit\}
330 \eqcommand{ }\{dim\}
331 \eqcommand{ }\{dimen\}
332 \eqcommand{ @ }\{dimen@\}
333 \eqcommand{ @ }\{dimen@i\}
334 \eqcommand{ @ }\{dimen@ii\}
335 \eqcommand{   }\{dimendef\}
336 \eqcommand{   }\{discretionary\}
337 \eqcommand{   }\{displaybreak\}
338 \eqcommand{   }\{displayindent\}
339 \eqcommand{   }\{displaystyle\}
340 \eqcommand{   }\{displaywidth\}
341 \eqcommand{ }\{divide\}
342 \eqcommand{   }\{documentclass\}
343 \eqcommand{ }\{do\}
344 \eqcommand{   }\{dospecials\}
345 \eqcommand{ }\{dot\}
346 \eqcommand{ }\{doteq\}
347 \eqcommand{ }\{dotfill\}
348 \eqcommand{ }\{dots\}
349 \eqcommand{ }\{doublebox\}
350 \eqcommand{   }\{doublerulesepcolor\}
351 \eqcommand{   }\{doublerulesep\}
352 \eqcommand{ }\{downarrow\}
353 \eqcommand{ }\{dp\}
354 \eqcommand{ }\{dump\}
355 \eqcommand{ }\{edef\}
356 \eqcommand{ }\{egroup\}
357 \eqcommand{ }\{eject\}
358 \eqcommand{ }\{else\}
359 \eqcommand{ }\{em\}

```





```

360 \eqcommand{    }{emergencystretch}
361 \eqcommand{    }{emph}
362 \eqcommand{@ }{@empty}
363 \eqcommand{    }{empty}
364 \eqcommand{    }{emptyset}
365 \eqcommand{    }{end}
366 \eqcommand{    }{endL}
367 \eqcommand{    }{endR}
368 \eqcommand{    }{endcsname}
369 \eqcommand{    }{endfirsthead}
370 \eqcommand{    }{endfoot}
371 \eqcommand{    }{endgraf}
372 \eqcommand{    }{endgroup}
373 \eqcommand{    }{endhead}
374 \eqcommand{    }{endinput}
375 \eqcommand{    }{endlastfoot}
376 \eqcommand{    }{enlargethispage}
377 \eqcommand{    }{endline}
378 \eqcommand{    }{endlinechar}
379 \eqcommand{    }{enspace}
380 \eqcommand{    }{enskip}
381 \eqcommand{    }{eqcommand}
382 \eqcommand{    }{eqenvironment}
383 \eqcommand{    }{eqref}
384 \eqcommand{    }{errhelp}
385 \eqcommand{    }{errmessage}
386 \eqcommand{    }{errorcontextlines}
387 \eqcommand{    }{errorstopmode}
388 \eqcommand{    }{escapechar}
389 \eqcommand{    }{euro}
390 \eqcommand{    }{evensidemargin}
391 \eqcommand{    }{everycr}
392 \eqcommand{    }{everydisplay}
393 \eqcommand{    }{everyhbox}
394 \eqcommand{    }{everyjob}
395 \eqcommand{    }{everymath}
396 \eqcommand{    }{everypar}
397 \eqcommand{    }{everyvbox}
398 \eqcommand{    }{ExecuteOptions}
399 \eqcommand{    }{exhyphenpenalty}
400 \eqcommand{    }{expandafter}
401 \eqcommand{    }{extracolsep}
402 \eqcommand{@ }{@firstofone}
403 \eqcommand{@ }{@firstoftwo}
404 \eqcommand{ @ }{f@ur}
405 \eqcommand{    }{fam}
406 \eqcommand{    }{fancypage}
407 \eqcommand{    }{fbox}
408 \eqcommand{    }{fboxrule}
409 \eqcommand{    }{fboxsep}

```



```

410 \eqcommand{    }{fcolorbox}
411 \eqcommand{ }{fi}
412 \eqcommand{    }{figurename}
413 \eqcommand{    }{filbreak}
414 \eqcommand{ }{fill}
415 \eqcommand{    }{firstmark}
416 \eqcommand{ }{flat}
417 \eqcommand{    }{floatpagefraction}
418 \eqcommand{    }{floatingpenalty}
419 \eqcommand{    }{floatsep}
420 \eqcommand{    }{flushbottom}
421 \eqcommand{    }{fmtname}
422 \eqcommand{    }{fmtversion}
423 \eqcommand{    }{fnsymbol}
424 \eqcommand{ }{font}
425 \eqcommand{    }{fontdimen}
426 \eqcommand{    }{fontencoding}
427 \eqcommand{    }{fontfamily}
428 \eqcommand{    }{fontname}
429 \eqcommand{    }{fontseries}
430 \eqcommand{    }{fontshape}
431 \eqcommand{    }{fontsize}
432 \eqcommand{    }{footheight}
433 \eqcommand{    }{footins}
434 \eqcommand{ }{footnote}
435 \eqcommand{    }{footnotemark}
436 \eqcommand{    }{footnoterule}
437 \eqcommand{    }{footnotesep}
438 \eqcommand{    }{footnotesize}
439 \eqcommand{    }{footnotetext}
440 \eqcommand{    }{footskip}
441 \eqcommand{ }{frame}
442 \eqcommand{    }{framebox}
443 \eqcommand{    }{frenchspacing}
444 \eqcommand{    }{frontmatter}
445 \eqcommand{    }{futurelet}
446 \eqcommand{@    }{@gobble}
447 \eqcommand{@    }{@gobbletwo}
448 \eqcommand{@    }{@gobblefour}
449 \eqcommand{@    }{@gtempa}
450 \eqcommand{@    }{@gtempb}
451 \eqcommand{ }{gdef}
452 \eqcommand{    }{GenericInfo}
453 \eqcommand{    }{GenericWarning}
454 \eqcommand{    }{GenericError}
455 \eqcommand{ }{global}
456 \eqcommand{    }{globaldefs}
457 \eqcommand{    }{glossary}
458 \eqcommand{    }{glossaryentry}
459 \eqcommand{    }{goodbreak}

```



```

460 \eqcommand{    }\{graphpaper\}
461 \eqcommand{    }\{guillemotleft\}
462 \eqcommand{    }\{guillemotright\}
463 \eqcommand{    }\{guilsinglleft\}
464 \eqcommand{    }\{guilsinglright\}
465 \eqcommand{    }\{halign\}
466 \eqcommand{    }\{hang\}
467 \eqcommand{    }\{hangafter\}
468 \eqcommand{    }\{hangindent\}
469 \eqcommand{    }\{hbadness\}
470 \eqcommand{    }\{hbox\}
471 \eqcommand{    }\{headheight\}
472 \eqcommand{    }\{headsep\}
473 \eqcommand{    }\{headtoname\}
474 \eqcommand{    }\{heartsuit\}
475 \eqcommand{    }\{height\}
476 \eqcommand{    }\{hfil\}
477 \eqcommand{    }\{hfill\}
478 \eqcommand{    }\{hfilneg\}
479 \eqcommand{    }\{hfuzz\}
480 \eqcommand{    }\{hideskip\}
481 \eqcommand{    }\{hidewidth\}
482 \bidi@csletcs{ }\{hline\}% this is an exception
483 \eqcommand{    }\{hoffset\}
484 \eqcommand{    }\{holdinginserts\}
485 \eqcommand{    }\{hrboxsep\}
486 \eqcommand{    }\{hrule\}
487 \eqcommand{    }\{hrulefill\}
488 \eqcommand{    }\{hsize\}
489 \eqcommand{    }\{hskip\}
490 \eqcommand{    }\{hspace\}
491 \eqcommand{    }\{hss\}
492 \eqcommand{    }\{ht\}
493 \eqcommand{    }\{huge\}
494 \eqcommand{    }\{Huge\}
495 \eqcommand{    }\{hyperlink\}
496 \eqcommand{    }\{hypersetup\}
497 \eqcommand{    }\{hypertarget\}
498 \eqcommand{    }\{hyphenation\}
499 \eqcommand{    }\{hyphenchar\}
500 \eqcommand{    }\{hyphenpenalty\}
501 \eqcommand{@    }\{@ifclassloaded\}
502 \eqcommand{@    }\{@ifdefinable\}
503 \eqcommand{@    }\{@ifnextchar\}
504 \eqcommand{@    }\{@ifpackageloaded\}
505 \eqcommand{@    }\{@ifstar\}
506 \eqcommand{@    }\{@ifundefined\}
507 \eqcommand{ }\{if\}
508 \eqcommand{ @ }\{if@tempw\}
509 \eqcommand{   }\{ifcase\}

```



```

510 \eqcommand{ }{ifcat}
511 \eqcommand{ }{ifdefined}
512 \eqcommand{ }{ifdim}
513 \eqcommand{ }{ifeof}
514 \eqcommand{ }{iff}
515 \eqcommand{ }{iffalse}
516 \eqcommand{ }{IfFileExists}
517 \eqcommand{ }{ifhbox}
518 \eqcommand{ }{ifhmode}
519 \eqcommand{ }{ifinner}
520 \eqcommand{ }{ifmmode}
521 \eqcommand{ }{ifnum}
522 \eqcommand{ }{ifodd}
523 \eqcommand{ }{ifthenelse}
524 \eqcommand{ }{iftrue}
525 \eqcommand{ }{ifvbox}
526 \eqcommand{ }{ifvmode}
527 \eqcommand{ }{ifvoid}
528 \eqcommand{ }{ifx}
529 \eqcommand{ }{ignorespaces}
530 \eqcommand{ }{immediate}
531 \eqcommand{ }{include}
532 \eqcommand{ }{includegraphics}
533 \eqcommand{ }{includeonly}
534 \eqcommand{ }{indent}
535 \eqcommand{ }{index}
536 \eqcommand{ }{indexentry}
537 \eqcommand{ }{indexname}
538 \eqcommand{ }{indexspace}
539 \eqcommand{ }{input}
540 \eqcommand{ }{InputIfFileExists}
541 \eqcommand{ }{inputlineno}
542 \eqcommand{ }{insert}
543 \eqcommand{ }{insertpenalties}
544 \eqcommand{ }{interfootnotelinepenalty}
545 \eqcommand{ }{interdisplaylinepenalty}
546 \eqcommand{ }{interlinepenalty}
547 \eqcommand{ }{intertext}
548 \eqcommand{ }{intertextsep}
549 \eqcommand{ }{invisible}
550 \eqcommand{ }{itdefault}
551 \eqcommand{ }{itshape}
552 \eqcommand{ }{item}
553 \eqcommand{ }{itemindent}
554 \eqcommand{ }{itemsep}
555 \eqcommand{ }{iterate}
556 \eqcommand{ }{itshape}
557 \eqcommand{ }{jobname}
558 \eqcommand{ }{jot}
559 \eqcommand{ }{kern}

```



```

560 \eqcommand{ }{kill}
561 \eqcommand{ }{label}
562 \eqcommand{ }{labelenumi}
563 \eqcommand{ }{labelenumii}
564 \eqcommand{ }{labelenumiii}
565 \eqcommand{ }{labelenumiv}
566 \eqcommand{ }{labelitemi}
567 \eqcommand{ }{labelitemii}
568 \eqcommand{ }{labelitemiii}
569 \eqcommand{ }{labelitemiv}
570 \eqcommand{ }{labelsep}
571 \eqcommand{ }{labelwidth}
572 \eqcommand{ }{language}
573 \eqcommand{ }{large}
574 \eqcommand{ }{Large}
575 \eqcommand{ }{LARGE}
576 \eqcommand{ }{lastbox}
577 \eqcommand{ }{lastkern}
578 \eqcommand{ }{lastpenalty}
579 \eqcommand{ }{lastskip}
580 \eqcommand{ }{LaTeX}
581 \eqcommand{ }{LaTeXe}
582 \eqcommand{ }{lccode}
583 \eqcommand{ }{ldots}
584 \eqcommand{ }{leaders}
585 \eqcommand{ }{leavevmode}
586 \eqcommand{ }{left}
587 \eqcommand{ }{leftmargin}
588 \eqcommand{ }{leftmargini}
589 \eqcommand{ }{leftmarginii}
590 \eqcommand{ }{leftmarginiii}
591 \eqcommand{ }{leftmarginiv}
592 \eqcommand{ }{leftmarginv}
593 \eqcommand{ }{leftmarginvi}
594 \eqcommand{ }{leftmark}
595 \eqcommand{ }{leftpageskip}
596 \eqcommand{ }{leftskip}
597 \eqcommand{ }{let}
598 \eqcommand{ }{line}
599 \eqcommand{ }{linebreak}
600 \eqcommand{ }{linepenalty}
601 \eqcommand{ }{lineskip}
602 \eqcommand{ }{lineskiplimit}
603 \eqcommand{ }{linespread}
604 \eqcommand{ }{linethickness}
605 \eqcommand{ }{linewidth}
606 \eqcommand{ }{listfigurename}
607 \eqcommand{ }{listfiles}
608 \eqcommand{ }{listoffigures}
609 \eqcommand{ }{listoftables}

```



```

610 \eqcommand{      }{listparindent}
611 \eqcommand{      }{listtablename}
612 \eqcommand{      }{LoadClass}
613 \eqcommand{      }{LoadClassWithOptions}
614 \eqcommand{ }{location}
615 \eqcommand{ }{long}
616 \eqcommand{ }{looseness}
617 \eqcommand{ }{lower}
618 \eqcommand{@ }{@makeother}
619 \eqcommand{@ }{@m}
620 \eqcommand{ @ }{@M}
621 \eqcommand{ @ }{@Mi}
622 \eqcommand{ @ }{@Mii}
623 \eqcommand{ @ }{@Miii}
624 \eqcommand{ @ }{@Miv}
625 \eqcommand{ @ }{@MM}
626 \eqcommand{ @ }{@m@ne}
627 \eqcommand{ }{mag}
628 \eqcommand{ }{magstep}
629 \eqcommand{ }{magstephalf}
630 \eqcommand{ }{mainmatter}
631 \eqcommand{ }{makeatletter}
632 \eqcommand{ }{makeatother}
633 \eqcommand{ }{makebox}
634 \eqcommand{ }{makeglossary}
635 \eqcommand{ }{makeindex}
636 \eqcommand{ }{makelabel}
637 \eqcommand{ }{makelabels}
638 \eqcommand{ }{MakeLowercase}
639 \eqcommand{ }{maketitle}
640 \eqcommand{ }{MakeUppercase}
641 \eqcommand{ }{marginpar}
642 \eqcommand{ }{marginparpush}
643 \eqcommand{ }{marginparsep}
644 \eqcommand{ }{marginparwidth}
645 \eqcommand{ }{mark}
646 \eqcommand{ }{markboth}
647 \eqcommand{ }{markright}
648 \eqcommand{ }{mathaccent}
649 \eqcommand{ }{mathchar}
650 \eqcommand{ }{mathchardef}
651 \eqcommand{ }{mathcode}
652 \eqcommand{ }{mathrm}
653 \eqcommand{ }{maxdeadcycles}
654 \eqcommand{ }{maxdepth}
655 \eqcommand{ }{maxdimen}
656 \eqcommand{ }{mbox}
657 \eqcommand{ }{mdseries}
658 \eqcommand{ }{meaning}
659 \eqcommand{ }{mediumseries}

```



```

660 \eqcommand{      }{medmuskip}
661 \eqcommand{      }{medskip}
662 \eqcommand{      }{medskipamount}
663 \eqcommand{      }{medspace}
664 \eqcommand{ }{message}
665 \eqcommand{      }{MessageBreak}
666 \eqcommand{      }{minrowclearance}
667 \eqcommand{      }{mkern}
668 \eqcommand{ }{month}
669 \eqcommand{      }{moveleft}
670 \eqcommand{      }{moveright}
671 \eqcommand{      }{mskip}
672 \eqcommand{ @ }{m@th}
673 \eqcommand{      }{multicolumn}
674 \eqcommand{ }{multiply}
675 \eqcommand{      }{multispan}
676 \eqcommand{      }{muskip}
677 \eqcommand{      }{muskipdef}
678 \eqcommand{@ }{@namedef}
679 \eqcommand{@ }{@nameuse}
680 \eqcommand{ @ }{@ne}
681 \eqcommand{ }{name}
682 \eqcommand{      }{natural}
683 \eqcommand{      }{nearrow}
684 \eqcommand{      }{nearrower}
685 \eqcommand{      }{NeedsTeXFormat}
686 \eqcommand{ }{neg}
687 \eqcommand{      }{negmedspace}
688 \eqcommand{      }{negthickspace}
689 \eqcommand{      }{negthinspace}
690 \eqcommand{      }{newboolean}
691 \eqcommand{      }{newbox}
692 \eqcommand{      }{newcommand}
693 \eqcommand{      }{newcount}
694 \eqcommand{      }{newcounter}
695 \eqcommand{      }{newdimen}
696 \eqcommand{      }{newenvironment}
697 \eqcommand{      }{newfam}
698 \eqcommand{ }{newfont}
699 \eqcommand{      }{newhelp}
700 \eqcommand{      }{newinsert}
701 \eqcommand{      }{newlabel}
702 \eqcommand{      }{newlength}
703 \eqcommand{      }{newline}
704 \eqcommand{      }{newlinechar}
705 \eqcommand{      }{newmuskip}
706 \eqcommand{      }{newpage}
707 \eqcommand{      }{newread}
708 \eqcommand{      }{newsavebox}
709 \eqcommand{      }{newskip}

```



```

710 \eqcommand{    }\{newtheorem}
711 \eqcommand{    }\{newtoks}
712 \eqcommand{    }\{newwrite}
713 \eqcommand{    }\{noalign}
714 \eqcommand{    }\{nobreak}
715 \eqcommand{    }\{nobreakspace}
716 \eqcommand{    }\{nocite}
717 \eqcommand{    }\{noexpand}
718 \eqcommand{    }\{nofiles}
719 \eqcommand{    }\{noindent}
720 \eqcommand{    }\{nointerlineskip}
721 \eqcommand{    }\{nolimits}
722 \eqcommand{    }\{nolinebreak}
723 \eqcommand{    }\{nonstopmode}
724 \eqcommand{    }\{nonfrenchspacing}
725 \eqcommand{    }\{nonumber}
726 \eqcommand{    }\{nopagebreak}
727 \eqcommand{    }\{normalbaselines}
728 \eqcommand{    }\{normalbaselineskip}
729 \eqcommand{    }\{normalcolor}
730 \eqcommand{    }\{normalfont}
731 \eqcommand{    }\{normallineskip}
732 \eqcommand{    }\{normallineskiplimit}
733 \eqcommand{    }\{normalmarginpar}
734 \eqcommand{    }\{normalsize}
735 \eqcommand{    }\{notag}
736 \eqcommand{    }\{null}
737 \eqcommand{    }\{nullfont}
738 \eqcommand{    }\{number}
739 \eqcommand{    }\{numberline}
740 \eqcommand{    }\{numberwithin}
741 \eqcommand{    }\{@evenfoot}
742 \eqcommand{    }\{@evenhead}
743 \eqcommand{    }\{@oddfoot}
744 \eqcommand{    }\{@oddhead}
745 \eqcommand{    }\{@outeqntrue}
746 \eqcommand{    }\{@outeqnfalse}
747 \eqcommand{    }\{obeylines}
748 \eqcommand{    }\{obeyspaces}
749 \eqcommand{    }\{oddsidemargin}
750 \eqcommand{    }\{offinterlineskip}
751 \eqcommand{    }\{omit}
752 \eqcommand{@    }\{@onlypreamble}
753 \eqcommand{    }\{onecolumn}
754 \eqcommand{    }\{onlynotes}
755 \eqcommand{    }\{onlyslides}
756 \eqcommand{    }\{openin}
757 \eqcommand{    }\{openout}
758 \eqcommand{    }\{OptionNotUsed}
759 \eqcommand{    }\{or}

```





```

760 \eqcommand{ }{outer}
761 \eqcommand{ }{output}
762 \eqcommand{ }{outputpenalty}
763 \eqcommand{ }{overfullrule}
764 \eqcommand{@ }{@preamblecmds}
765 \eqcommand{@ }{p@}
766 \eqcommand{ }{PackageError}
767 \eqcommand{ }{PackageInfo}
768 \eqcommand{ }{PackageWarning}
769 \eqcommand{ }{PackageWarningNoLine}
770 \eqcommand{ }{pagebreak}
771 \eqcommand{ }{pagecolor}
772 \eqcommand{ }{pagedepth}
773 \eqcommand{ }{pagefilllstretch}
774 \eqcommand{ }{pagefillstretch}
775 \eqcommand{ }{pagefilstretch}
776 \eqcommand{ }{pagegoal}
777 \eqcommand{ }{pagename}
778 \eqcommand{ }{pagenumbering}
779 \eqcommand{ }{pageref}
780 \eqcommand{ }{pagerulewidth}
781 \eqcommand{ }{pageshrink}
782 \eqcommand{ }{pagestretch}
783 \eqcommand{ }{pagestyle}
784 \eqcommand{ }{pagetotal}
785 \eqcommand{ }{paperheight}
786 \eqcommand{ }{paperwidth}
787 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
788 \eqcommand{ }{paragraph}
789 \eqcommand{ }{parallel}
790 \eqcommand{ }{parbox}
791 \eqcommand{ }{parfillskip}
792 \eqcommand{ }{parindent}
793 \eqcommand{ }{parsep}
794 \eqcommand{ }{parshape}
795 \eqcommand{ }{parskip}
796 \eqcommand{ }{part}
797 \eqcommand{ }{partname}
798 \eqcommand{ }{partopsep}
799 \eqcommand{ }{PassOptionToClass}
800 \eqcommand{ }{PassOptionToPackage}
801 \eqcommand{ }{path}
802 \eqcommand{ }{patterns}
803 \eqcommand{ }{pausing}
804 \eqcommand{ }{penalty}
805 \eqcommand{ }{phantom}
806 \eqcommand{ }{poptabs}
807 \eqcommand{ }{postdisplaypenalty}
808 \eqcommand{ }{predisplaydirection}
809 \eqcommand{ }{predisplaypenalty}

```



```

810 \eqcommand{      }{predisplaysize}
811 \eqcommand{      }{pretolerance}
812 \eqcommand{      }{prevdepth}
813 \eqcommand{      }{prevgraf}
814 \eqcommand{      }{printindex}
815 \eqcommand{      }{ProcessOptions}
816 \eqcommand{ }{protect}
817 \eqcommand{      }{providecommand}
818 \eqcommand{      }{ProvidesClass}
819 \eqcommand{      }{ProvidesFile}
820 \eqcommand{      }{ProvidesPackage}
821 \eqcommand{      }{pushtabs}
822 \eqcommand{ }{quad}
823 \eqcommand{      }{qqquad}
824 \eqcommand{@      }{@outputpagerestore}
825 \eqcommand{      }{radical}
826 \eqcommand{      }{raggedbottom}
827 \eqcommand{      }{raggedleft}
828 \eqcommand{      }{raggedright}
829 \eqcommand{      }{raise}
830 \eqcommand{      }{raisebox}
831 \eqcommand{      }{raisetag}
832 \eqcommand{      }{rangle}
833 \eqcommand{ }{rceil}
834 \eqcommand{      }{read}
835 \eqcommand{ }{ref}
836 \eqcommand{      }{reflectbox}
837 \eqcommand{      }{refname}
838 \eqcommand{      }{refstepcounter}
839 \eqcommand{ }{relax}
840 \eqcommand{      }{removelastskip}
841 \eqcommand{      }{renewcommand}
842 \eqcommand{      }{renewenvironment}
843 \eqcommand{      }{RequirePackage}
844 \eqcommand{      }{RequirePackageWithOptions}
845 \eqcommand{      }{resizebox}
846 \eqcommand{      }{reversemarginpar}
847 \eqcommand{ }{rfloor}
848 \eqcommand{ }{right}
849 \eqcommand{      }{rightmargin}
850 \eqcommand{      }{rightmark}
851 \eqcommand{      }{rightpageskip}
852 \eqcommand{      }{rightskip}
853 \eqcommand{      }{rmdefault}
854 \eqcommand{      }{rmfamily}
855 \eqcommand{      }{Roman}
856 \eqcommand{      }{roman}
857 \eqcommand{      }{romannumeral}
858 \eqcommand{      }{rotatebox}
859 \eqcommand{      }{rowcolor}

```



```

860 \eqcommand{ }{rule}
861 \eqcommand{@ }{@secondoftwo}
862 \eqcommand{@ }{@spaces}
863 \eqcommand{ }{samepage}
864 \eqcommand{ }{savebox}
865 \eqcommand{ }{sbox}
866 \eqcommand{ }{scalebox}
867 \eqcommand{ }{scdefault}
868 \eqcommand{ }{scshape}
869 \eqcommand{ }{setkeys}
870 \eqcommand{ }{scriptfont}
871 \eqcommand{ }{scriptscriptfont}
872 \eqcommand{ }{scriptscriptstyle}
873 \eqcommand{ }{scriptsize}
874 \eqcommand{ }{scripstyle}
875 \eqcommand{ }{scrollmode}
876 \eqcommand{ }{section}
877 \eqcommand{ }{secdef}
878 \eqcommand{ }{see}
879 \eqcommand{ }{seealso}
880 \eqcommand{ }{seename}
881 \eqcommand{ }{selectfont}
882 \eqcommand{ }{setboolean}
883 \eqcommand{ }{setbox}
884 \eqcommand{ }{setcounter}
885 \eqcommand{ }{setlength}
886 \eqcommand{ }{setminus}
887 \eqcommand{ }{SetSymbolFont}
888 \eqcommand{ }{settodepth}
889 \eqcommand{ }{settoheight}
890 \eqcommand{ }{settowidth}
891 \eqcommand{ }{sfcode}
892 \eqcommand{ }{sfdefault}
893 \eqcommand{ }{sffamily}
894 \eqcommand{ }{shadowbox}
895 \eqcommand{ }{sharp}
896 \eqcommand{ }{shipout}
897 \eqcommand{ }{shortstack}
898 \eqcommand{ }{show}
899 \eqcommand{ }{showbox}
900 \eqcommand{ }{showboxbreadth}
901 \eqcommand{ }{showboxdepth}
902 \eqcommand{ }{showlists}
903 \eqcommand{ }{showthe}
904 \eqcommand{ }{simplefontmode}
905 \eqcommand{ @}{sist@@n}
906 \eqcommand{ }{skewchar}
907 \eqcommand{ }{skip}
908 \eqcommand{ @}{skip@}
909 \eqcommand{ }{skipdef}

```



```

910 \eqcommand{ }{sl}
911 \eqcommand{ }{sldefault}
912 \eqcommand{ }{slshape}
913 \eqcommand{ }{sloppy}
914 \eqcommand{ }{slshape}
915 \eqcommand{ }{small}
916 \eqcommand{ }{smallskip}
917 \eqcommand{ }{smallskipamount}
918 \eqcommand{ }{smash}
919 \eqcommand{ }{smile}
920 \eqcommand{ }{snglftlocatcode}
921 \eqcommand{ }{space}
922 \eqcommand{ }{spacefactor}
923 \eqcommand{ }{spaceskip}
924 \eqcommand{ }{spadesuit}
925 \eqcommand{ }{span}
926 \eqcommand{ }{special}
927 \eqcommand{ }{splitmaxdepth}
928 \eqcommand{ }{splittopskip}
929 \eqcommand{ }{star}
930 \eqcommand{ }{stepcounter}
931 \eqcommand{ }{stretch}
932 \eqcommand{ }{string}
933 \eqcommand{ }{strut}
934 \eqcommand{ }{strutbox}
935 \eqcommand{ }{subitem}
936 \eqcommand{ }{subparagraph}
937 \eqcommand{ }{subsection}
938 \eqcommand{ }{substack}
939 \eqcommand{ }{subsubitem}
940 \eqcommand{ }{subsubsection}
941 \eqcommand{ }{subset}
942 \eqcommand{ }{subseteq}
943 \eqcommand{ }{supereject}
944 \eqcommand{ }{suppressfloats}
945 \eqcommand{@ }{@tempa}
946 \eqcommand{@ }{@tempb}
947 \eqcommand{@ }{@tempc}
948 \eqcommand{@ }{@tempd}
949 \eqcommand{@ }{@tempe}
950 \eqcommand{@ }{@tempboxa}
951 \eqcommand{@ }{@tempcnta}
952 \eqcommand{@ }{@tempcntb}
953 \eqcommand{@ }{@tempdima}
954 \eqcommand{@ }{@tempdimb}
955 \eqcommand{@ }{@tempdimc}
956 \eqcommand{@ }{@tempskipa}
957 \eqcommand{@ }{@tempskipb}
958 \eqcommand{@ }{@tempswafalse}
959 \eqcommand{@ }{@tempswatru}

```



```

960 \eqcommand{@ }{@temptokena}
961 \eqcommand{ }{@thefnmark}
962 \eqcommand{@ }{@thirdofthree}
963 \eqcommand{ }{tabbingsep}
964 \eqcommand{ }{tabcolsep}
965 \eqcommand{ }{tableofcontents}
966 \eqcommand{ }{tablename}
967 \eqcommand{ }{tabskip}
968 \eqcommand{ }{tabularnewline}
969 \eqcommand{ }{tag}
970 \eqcommand{ }{telephone}
971 \eqcommand{ }{TeX}
972 \eqcommand{ }{text}
973 \eqcommand{ }{textbullet}
974 \eqcommand{ }{textfont}
975 \eqcommand{ }{textemdash}
976 \eqcommand{ }{textendash}
977 \eqcommand{ }{textexclamdown}
978 \eqcommand{ }{textperiodcentered}
979 \eqcommand{ }{textquestiondown}
980 \eqcommand{ }{textquotedblleft}
981 \eqcommand{ }{textquotedblright}
982 \eqcommand{ }{textquoteleft}
983 \eqcommand{ }{textquoteright}
984 \eqcommand{ }{textvisiblespace}
985 \eqcommand{ }{textbackslash}
986 \eqcommand{ }{textbar}
987 \eqcommand{ }{textgreater}
988 \eqcommand{ }{textless}
989 \eqcommand{ }{textbf}
990 \eqcommand{ }{textcircled}
991 \eqcommand{ }{textcolor}
992 \eqcommand{ }{textcompwordmark}
993 \eqcommand{ }{textfloatsep}
994 \eqcommand{ }{textfraction}
995 \eqcommand{ }{textheight}
996 \eqcommand{ }{textindent}
997 \eqcommand{ }{textit}
998 \eqcommand{ }{textmd}
999 \eqcommand{ }{textnormal}
1000 \eqcommand{ }{textregistered}
1001 \eqcommand{ }{textrm}
1002 \eqcommand{ }{textsc}
1003 \eqcommand{ }{textsf}
1004 \eqcommand{ }{textsl}
1005 \eqcommand{ }{textstyle}
1006 \eqcommand{ }{textsuperscript}
1007 \eqcommand{ }{texttrademark}
1008 \eqcommand{ }{texttt}
1009 \eqcommand{ }{textup}

```



```

1010 \eqcommand{    }{textwidth}
1011 \eqcommand{    }{thanks}
1012 \eqcommand{    }{the}
1013 \eqcommand{    }{thempfn}
1014 \eqcommand{    }{thicklines}
1015 \eqcommand{    }{thickmuskip}
1016 \eqcommand{    }{thinmuskip}
1017 \eqcommand{    }{thickspace}
1018 \eqcommand{    }{thinlines}
1019 \eqcommand{    }{thinspace}
1020 \eqcommand{    }{thisfancypage}
1021 \eqcommand{    }{thispagestyle}
1022 \eqcommand{ @}{thr@@}
1023 \eqcommand{ }{tilde}
1024 \eqcommand{ }{tiny}
1025 \eqcommand{ }{time}
1026 \eqcommand{ }{times}
1027 \eqcommand{ }{title}
1028 \eqcommand{ }{to}
1029 \eqcommand{ }{today}
1030 \eqcommand{ }{toks}
1031 \eqcommand{    }{toksdef}
1032 \eqcommand{    }{tolerance}
1033 \eqcommand{ }{top}
1034 \eqcommand{    }{topfigrule}
1035 \eqcommand{    }{topfraction}
1036 \eqcommand{    }{topmargin}
1037 \eqcommand{    }{topmark}
1038 \eqcommand{    }{toppageskip}
1039 \eqcommand{    }{topsep}
1040 \eqcommand{    }{topskip}
1041 \eqcommand{    }{totalheight}
1042 \eqcommand{    }{tracingall}
1043 \eqcommand{    }{tracingcommands}
1044 \eqcommand{    }{tracinglostchars}
1045 \eqcommand{    }{tracingmacros}
1046 \eqcommand{    }{tracingonline}
1047 \eqcommand{    }{tracingoutput}
1048 \eqcommand{    }{tracingpages}
1049 \eqcommand{    }{tracingparagraphs}
1050 \eqcommand{    }{tracingrestores}
1051 \eqcommand{    }{tracingstats}
1052 \eqcommand{ }{triangle}
1053 \eqcommand{    }{ttdefault}
1054 \eqcommand{    }{ttfamily}
1055 \eqcommand{ @}{tw@}
1056 \eqcommand{    }{twocolumn}
1057 \eqcommand{    }{typein}
1058 \eqcommand{    }{typeout}
1059 \eqcommand{    }{uccode}

```



```

1060 \eqcommand{      }\{uchyph}
1061 \eqcommand{      }\{underline}
1062 \eqcommand{      }\{unhbox}
1063 \eqcommand{      }\{unhcopy}
1064 \eqcommand{      }\{unitlength}
1065 \eqcommand{      }\{unkern}
1066 \eqcommand{      }\{unpenalty}
1067 \eqcommand{      }\{unskip}
1068 \eqcommand{      }\{unvbox}
1069 \eqcommand{      }\{unvcopy}
1070 \eqcommand{      }\{updefault}
1071 \eqcommand{      }\{upshape}
1072 \eqcommand{      }\{usebox}
1073 \eqcommand{      }\{usecounter}
1074 \eqcommand{      }\{usefont}
1075 \eqcommand{      }\{usepackage}
1076 \eqcommand{@      }\{@vobeyspaces}
1077 \eqcommand{@      }\{@void}
1078 \eqcommand{      }\{vadjust}
1079 \eqcommand{      }\{valign}
1080 \eqcommand{      }\{value}
1081 \eqcommand{      }\{vbadness}
1082 \eqcommand{      }\{vbox}
1083 \eqcommand{      }\{vcenter}
1084 \eqcommand{      }\{verb}
1085 \eqcommand{      }\{vfil}
1086 \eqcommand{      }\{vfill}
1087 \eqcommand{      }\{vfilneg}
1088 \eqcommand{      }\{vfuzz}
1089 \eqcommand{      }\{visible}
1090 \eqcommand{      }\{vline}
1091 \eqcommand{      }\{voffset}
1092 \eqcommand{      }\@{\voidb@x}
1093 \eqcommand{      }\{vpageref}
1094 \eqcommand{      }\{vrboxsep}
1095 \eqcommand{      }\{vref}
1096 \eqcommand{      }\{vrule}
1097 \eqcommand{      }\{vsize}
1098 \eqcommand{      }\{vskip}
1099 \eqcommand{      }\{vspace}
1100 \eqcommand{      }\{vsplit}
1101 \eqcommand{      }\{vss}
1102 \eqcommand{      }\{vtop}
1103 \eqcommand{      }\{wd}
1104 \eqcommand{      }\{whiledo}
1105 \eqcommand{      }\{widehat}
1106 \eqcommand{      }\{widetilde}
1107 \eqcommand{      }\{widowpenalty}
1108 \eqcommand{      }\{width}
1109 \eqcommand{      }\{wlog}

```



```

1110 \eqcommand{ }{write}
1111 \eqcommand{@ }{@xobeysp}
1112 \eqcommand{ @ }{@xxxii}
1113 \eqcommand{ }{xdef}
1114 \eqcommand{ }{xleaders}
1115 \eqcommand{ }{xspaceskip}
1116 \eqcommand{ }{year}
1117 \eqcommand{@ }{z@}
1118 \eqcommand{@ }{z@skip}

```

## 7.19 color-localise-xepersian.def

```

1119 color{ } \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1120 0}{rgb}{ } \0,,0}
1121 1}{rgb}{ } \1,,1}
1122 1}{rgb}{ } \0,,0}
1123 0}{rgb}{ } \1,,0}
1124 0}{rgb}{ } \0,,1}
1125 1}{cmyk}{ } \0,,0,0}
1126 0}{cmyk}{ } \1,,0,0}
1127 0}{cmyk}{ } \0,,1,0}

```

## 7.20 xepersian-localise-commands-xepersian.def

```

1128 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1129 \eqcommand{ }{autofootnoterule}
1130 \eqcommand{ }{AutoMathsDigits}
1131 \eqcommand{ }{DefaultMathsDigits}
1132 \eqcommand{ @ }{keyval@eq@alias@key}
1133 \eqcommand{ }{deflatinfont}
1134 \eqcommand{ }{defpersianfont}
1135 \eqcommand{ }{hboxL}
1136 \eqcommand{ }{hboxR}
1137 \eqcommand{ }{Latincite}
1138 \eqcommand{ }{latinfont}
1139 \eqcommand{ }{latintoday}
1140 \eqcommand{ }{leftfootnoterule}
1141 \eqcommand{ }{lr}
1142 \eqcommand{ }{LRE}
1143 \eqcommand{ }{LTRdblcol}
1144 \eqcommand{ }{LTRfootnote}
1145 \eqcommand{ }{LTRfootnotetext}
1146 \eqcommand{ }{LTRthanks}
1147 \eqcommand{ }{persianday}
1148 \eqcommand{ }{persianfont}
1149 \eqcommand{ }{PersianMathsDigits}
1150 \eqcommand{ }{persianmonth}
1151 \eqcommand{ }{persianyear}
1152 \eqcommand{ }{plq}
1153 \eqcommand{ }{prq}
1154 \eqcommand{ }{rightfootnoterule}

```





```

1155 \eqcommand{      }\{rl\}
1156 \eqcommand{      }\{RLE\}
1157 \eqcommand{      }\{RTLdblcol\}
1158 \eqcommand{      }\{RTLfootnote\}
1159 \eqcommand{      }\{RTLfootnotetext\}
1160 \eqcommand{      }\{RTLthanks\}
1161 \eqcommand{@      }\{@SepMark\}
1162 \eqcommand{      }\{SepMark\}
1163 \eqcommand{      }\{setdefaultbibitems\}
1164 \eqcommand{      }\{setdefaultmarginpar\}
1165 \eqcommand{      }\{setdigitfont\}
1166 \eqcommand{      }\{setfootnoteLR\}
1167 \eqcommand{      }\{setfootnoteRL\}
1168 \eqcommand{      }\{setlatintextfont\}
1169 \eqcommand{      }\{setLTR\}
1170 \eqcommand{      }\{setLTRbibitems\}
1171 \eqcommand{      }\{setLTRmarginpar\}
1172 \eqcommand{      }\{setRTL\}
1173 \eqcommand{      }\{setRTLbibitems\}
1174 \eqcommand{      }\{setRTLmarginpar\}
1175 \eqcommand{      }\{settextfont\}
1176 \eqcommand{      }\{textwidthfootnoterule\}
1177 \eqcommand{      }\{twocolumnstableofcontents\}
1178 \eqcommand{      }\{unsetfootnoteRL\}
1179 \eqcommand{      }\{unsetLTR\}
1180 \eqcommand{      }\{unsetRTL\}
1181 \eqcommand{      }\{vboxL\}
1182 \eqcommand{      }\{vboxR\}
1183 \eqcommand{      }\{XeLaTeX\}
1184 \eqcommand{      }\{XePersian\}
1185 \eqcommand{      }\{xepersianversion\}
1186 \eqcommand{      }\{xepersiandate\}
1187 \eqcommand{      }\{XeTeX\}

```

## 7.21 enumerate-xepersian.def

```

1188 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1189 \def\@enloop@{%
1190   \ifx \entemp@ \def\@tempa{\@enLabel\harfi } \else
1191   \ifx \entemp@ \def\@tempa{\@enLabel\adadi } \else
1192   \ifx \entemp@ \def\@tempa{\@enLabel\tartibi } \else
1193   \ifx A\entemp \def\@tempa{\@enLabel\Alph } \else
1194   \ifx a\entemp \def\@tempa{\@enLabel\alph } \else
1195   \ifx i\entemp \def\@tempa{\@enLabel\roman } \else
1196   \ifx I\entemp \def\@tempa{\@enLabel\Roman } \else
1197   \ifx l\entemp \def\@tempa{\@enLabel\arabic} \else
1198   \ifx \@sptoken\entemp \let\@tempa\@enSpace \else
1199   \ifx \bgroup\entemp \let\@tempa\@enGroup \else
1200   \ifx \@enum@\entemp \let\@tempa\@gobble \else
1201   \let\@tempa\@enOther

```



```

1202                                     \@enhook
1203         \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1204     \@tempa}

```

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

```

1205 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation
1206 \eqenvironment{   }{abstract}
1207 \eqenvironment{   }{appendix}
1208 \eqenvironment{   }{array}
1209 \eqenvironment{   }{center}
1210 \eqenvironment{   }{description}
1211 \eqenvironment{   }{displaymath}
1212 \eqenvironment{   }{document}
1213 \eqenvironment{   }{enumerate}
1214 \eqenvironment{   }{figure}
1215 \eqenvironment{ *}{figure*}
1216 \eqenvironment{   }{filecontents}
1217 \eqenvironment{   *}{filecontents*}
1218 \eqenvironment{   }{flushleft}
1219 \eqenvironment{   }{flushright}
1220 \eqenvironment{   }{itemize}
1221 \eqenvironment{   }{letter}
1222 \eqenvironment{   }{list}
1223 \eqenvironment{   }{longtable}
1224 \eqenvironment{   }{lrbox}
1225 \eqenvironment{   }{math}
1226 \eqenvironment{   }{matrix}
1227 \eqenvironment{   }{minipage}
1228 \eqenvironment{   }{multline}
1229 \eqenvironment{   }{note}
1230 \eqenvironment{   }{overlay}
1231 \eqenvironment{   }{picture}
1232 \eqenvironment{   }{quotation}
1233 \eqenvironment{   }{quote}
1234 \eqenvironment{   }{slide}
1235 \eqenvironment{   }{sloppypar}
1236 \eqenvironment{   }{split}
1237 \eqenvironment{   }{subarray}
1238 \eqenvironment{   }{tabbing}
1239 \eqenvironment{   }{table}
1240 \eqenvironment{ *}{table*}
1241 \eqenvironment{   }{tabular}
1242 \eqenvironment{ *}{tabular*}
1243 \eqenvironment{   }{thebibliography}
1244 \eqenvironment{   }{theindex}
1245 \eqenvironment{   }{titlepage}
1246 \eqenvironment{   }{trivlist}
1247 \eqenvironment{   }{verse}

```



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

```
1248 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisat
1249 \eqenvironment{ }{\latin}
1250 \eqenvironment{ }{\LTR}
1251 \eqenvironment{ }{\LTRitems}
1252 \eqenvironment{ }{\modernpoem}
1253 \eqenvironment{ *}{\modernpoem*}
1254 \eqenvironment{ }{\persian}
1255 \eqenvironment{ }{\RTL}
1256 \eqenvironment{ }{\RTLitems}
1257 \eqenvironment{ }{\traditionalpoem}
1258 \eqenvironment{ *}{\traditionalpoem*}
```

### 7.24 extarticle-xepersian.def

```
1259 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1260 \renewcommand\thepart {\@tartibi\c@part}
1261 \renewcommand\appendix{\par
1262 \setcounter{section}{0}%
1263 \setcounter{subsection}{0}%
1264 \gdef\thesection{\@harfi\c@section}}
```

### 7.25 extbook-xepersian.def

```
1265 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1266 \renewcommand\frontmatter{%
1267 \cleardoublepage
1268 \@mainmatterfalse
1269 \pagenumbering{harfi}}
1270 \renewcommand\thepart {\@tartibi\c@part}
1271 \renewcommand\appendix{\par
1272 \setcounter{chapter}{0}%
1273 \setcounter{section}{0}%
1274 \gdef\@chapapp{\appendixname}%
1275 \gdef\thechapter{\@harfi\c@chapter}
1276 }%end appendix
```

### 7.26 extrafootnotefeatures-xepersian.def

```
1277 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafo
1278 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1279 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1280 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}
```

### 7.27 extreport-xepersian.def

```
1281 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1282 \renewcommand\thepart {\@tartibi\c@part}
1283 \renewcommand\appendix{\par
1284 \setcounter{chapter}{0}%
1285 \setcounter{section}{0}%
1286 \gdef\@chapapp{\appendixname}%
```



```
1287 \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.28 flowfram-xepersian.def

```
1288 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1289 \def\@outputpage{%
1290 \begingroup
1291 \let\protect\noexpand
1292 \@resetactivechars
1293 \global\let\@if@newlist@if@newlist
1294 \global\@newlistfalse\@parboxrestore
1295 \shipout\vbox{\set@typeset@protect
1296 \aftergroup
1297 \endgroup
1298 \aftergroup
1299 \set@typeset@protect
1300 \reset@font\normalsize\normalsfcodes
1301 \let\label\@gobble
1302 \let\index\@gobble
1303 \let\glossary\@gobble
1304 \baselineskip\z@skip
1305 \lineskip\z@skip
1306 \lineskiplimit\z@
1307 \vskip\topmargin\moveright\@themargin
1308 \vbox{%
1309 \vskip\headheight
1310 \vskip\headsep
1311 \box\@outputbox
1312 }}%
1313 \global\let@if@newlist\@if@newlist
1314 \stepcounter{page}%
1315 \setcounter{displayedframe}{0}%
1316 \let\firstmark\botmark}
```

## 7.29 footnote-xepersian.def

```
1317 \ProvidesFile{footnote-xepersian.def}[2017/02/04 v0.5 footnote macros for xepersian package]
1318
1319 \renewcommand*{\bidi@footnotetext@font}{\if@RTL@footnote\reset@font\else\resetlatinfont\fi\font}
1320
1321 \renewcommand*{\bidi@LTRfootnotetext@font}{\resetlatinfont\footnotesize}
1322
1323 \renewcommand*{\bidi@RTLfootnotetext@font}{\setpersianfont\footnotesize}
1324
```

## 7.30 framed-xepersian.def

```
1325 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package]
1326 \renewenvironment{titled-frame}[1]{%
1327 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1328 \TitleBarFrame{\textbf{#1}}}%
1329 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
```



```

1330 \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1}}}%
1331 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1332 \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} (\if@RTL
1333 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1334 \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1335 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1336 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1337 % could interfere with the width measurement.
1338 {\endMakeFramed}

```

### 7.31 glossaries-xepersian.def

```

1339 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries p
1340 \glsaddprotectedpagefmt{@harfi}
1341 \glsaddprotectedpagefmt{@tartibi}
1342 \glsaddprotectedpagefmt{@adadi}

```

### 7.32 hyperref-xepersian.def

```

1343 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1344 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1345 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1346 \def\itemautorefname{\if@RTL else\ item\fi}%
1347 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1348 \def\tableautorefname{\if@RTL else\ Table\fi}%
1349 \def\partautorefname{\if@RTL else\ Part\fi}%
1350 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1351 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1352 \def\sectionautorefname{\if@RTL else\ section\fi}%
1353 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1354 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1355 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1356 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1357 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1358 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1359 \def\pageautorefname{\if@RTL else\ page\fi}%
1360 \AtBeginDocument{%
1361 \let\HyOrg@appendix\appendix
1362 \def\appendix{%
1363 \ltx@ifundefined{chapter}%
1364 {\gdef\theHsection{\Alph{section}}}%
1365 {\gdef\theHchapter{\Alph{chapter}}}%
1366 \xdef\Hy@chapapp{\Hy@appendixstring}%
1367 \HyOrg@appendix
1368 }
1369 }
1370 \pdfstringdefDisableCommands{%
1371 \let\lr\@firstofone
1372 \let\rl\@firstofone
1373 \def\XePersian{XePersian}
1374 }

```



```

1375 \ltx@ifundefined{@resets@pp}{%
1376 }{%
1377   \let\HyOrg@resets@pp@resets@pp
1378   \def@resets@pp{%
1379     \ltx@ifundefined{chapter}{%
1380       \gdef\theHsection{\Hy@AlphNoErr{section}}%
1381     }{%
1382       \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1383     }%
1384     \xdef\Hy@chapapp{\Hy@appendixstring}%
1385     \HyOrg@resets@pp
1386   }%
1387 }

```

### 7.33 imspc-xepersian.def

```

1388 \ProvidesFile{imspc-xepersian.def}[2015/12/07 v0.4 implementation of imspc class for xepersian]
1389 \newenvironment{thebibliography}[1]{%
1390   \@bibtitlestyle
1391   \normalfont\bibliofont\labelsep .5em\relax
1392   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
1393   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1394   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
1395     \leftmargin\labelwidth \advance\leftmargin\labelsep
1396     \usecounter{enumiv}}%
1397   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1398   \sfcode`\.=\@m
1399 }{%
1400   \def\@noitemerr{\@latex@warning{Empty 'thebibliography' environment}}%
1401   \endlist
1402 }
1403 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
1404   \columnseprule\z@ \columnsep 35\p@
1405   \@indextitlestyle
1406   \thispagestyle{plain}%
1407   \let\item\@idxitem
1408   \parindent\z@ \parskip\z@\@plus.3\p@\relax
1409   \if@RTL\raggedleft\else\raggedright\fi
1410   \hyphenpenalty\@M
1411   \footnotesize}
1412 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
1413 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
1414 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
1415 \renewcommand \thepart {\@tartibi\c@part}
1416 \def\appendix{\par\c@section\z@ \c@subsection\z@
1417   \let\sectionname\appendixname
1418   \def\thesection{\@harfi\c@section}}
1419 \def\right@footnoterule{%
1420   \kern-.4\p@
1421   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }

```



```

1422 \kern11\p@\kern-\footnotesep}
1423 \def\left@footnoterule{\kern-.4\p@
1424 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1425 \def\@makefnmark{%
1426 \leavevmode
1427 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
1428 }
1429
1430
1431
1432 \def\part{\@startsection{part}{0}%
1433 \z@\{ \linespacing\@plus\linespacing\}{.5\linespacing}%
1434 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1435 \def\@tocline#1#2#3#4#5#6#7{\relax
1436 \ifnum #1>\c@tocdepth % then omit
1437 \else
1438 \par \addpenalty\@secpenalty\addvspace{#2}%
1439 \begingroup \hyphenpenalty\@M
1440 \@ifempty{#4}{%
1441 \@tempdima\csname r@tocindent\number#1\endcsname\relax
1442 }{%
1443 \@tempdima#4\relax
1444 }%
1445 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\le
1446 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1447 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1448 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1449 \nobreak
1450 \endgroup
1451 \fi}
1452 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1453 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1454 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1455 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1456 \def\maketitle{\par
1457 \topnum\z@ % this prevents figures from falling at the top of page 1
1458 \setcopyright
1459 \thispagestyle{firstpage}% this sets first page specifications
1460 \uppercase\nonmath\shorttitle
1461 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1462 \else \andify\shortauthors
1463 \fi
1464 \@maketitle@hook
1465 \begingroup
1466 \@maketitle
1467 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
1468 \toks4{\def\{\ignorespaces}}% defend against questionable usage
1469 \edef\@tempa{%
1470 \nx\markboth{\the\toks4
1471 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%

```



```

1472 \@tempa
1473 \endgroup
1474 \c@footnote\z@
1475 \@cleartopmattertags
1476 }

```

## 7.34 kashida-xepersian.def

```

1477 \ProvidesFile{kashida-xepersian.def}[2016/09/09 v0.5 implementation of Kashida for xepersian p
1478 \chardef\xepersian@zwj="200D % zero-width joiner
1479
1480 \chardef\xepersian@D=10 % dual-joiner class
1481 \chardef\xepersian@L=11 % lam
1482 \chardef\xepersian@R=12 % right-joiner
1483 \chardef\xepersian@A=13 % alef
1484 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1485 \newif\if@Kashida@on
1486 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwj\nobreak%
1487   \leaders\hrule height \XeTeXglyphheight\tw@ \the\xeTeXcharglyph"0640 depth \XeTeXglyphheight
1488
1489 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1490   \expandafter\dosetclass\charlist,\end}
1491 \def\dosetclass#1,#2\end{%
1492   \def\test{#1}\def\charlist{#2}%
1493   \ifx\test\empty\let\next\finishsetclass
1494   \else \XeTeXcharclass "\test = \theclass
1495     \let\next\dosetclass \fi
1496   \expandafter\next\charlist,,\end}
1497 \def\finishsetclass#1,,\end{}
1498
1499 \setclass \xepersian@A {0622,0623,0625,0627}
1500 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1501 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1502 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1503 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1504 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1505 \setclass \xepersian@L {0644}
1506 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1507
1508 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1509 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1510 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1511 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1512 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1513 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1514 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1515 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1516
1517 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1518 \newcommand{\KashidaOff}{\@Kashida@onfalse}

```





```
1519 \KashidaOn
```

### 7.35 listings-xepersian.def

```
1520 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1521 \def\lstlistingname{\if@RTL else\    Listing\fi}
1522 \def\lstlistlistingname{\if@RTL    else\    Listings\fi}
```

### 7.36 loadingorder-xepersian.def

```
1523 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the la
1524 \bidi@isloaded{algorithmic}
1525 \bidi@isloaded{algorithm}
1526 \bidi@isloaded{backref}
1527 \bidi@isloaded{enumerate}
1528 \bidi@isloaded{tocloft}
1529 \bidi@isloaded{url}
1530 \AtBeginDocument{
1531   \if@bidi@algorithmicloaded@else
1532     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xe
1533   \fi%
1534   \if@bidi@algorithmloaded@else
1535     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xep
1536   \fi%
1537   \if@bidi@backrefloaded@else
1538     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepers
1539   \fi%
1540   \if@bidi@enumerateloaded@else
1541     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xep
1542   \fi%
1543   \if@bidi@tocloftloaded@else
1544     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepers
1545   \fi%
1546   \if@bidi@urlloaded@else
1547     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian
1548   \fi%
1549 }
```

### 7.37 localise-xepersian.def

```
1550 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1551 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1552 \makezwnjletter
1553 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}
1554 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1555 \@ifpackageloaded{keyval}{%
1556 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1557   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1558   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1559 }{\@ifpackageloaded{xkeyval}{%
1560 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1561   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1562   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1563 }
```



```

1562 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1563 }{}}
1564 \input{latex-localise-commands-xepersian.def}
1565 \input{xepersian-localise-commands-xepersian.def}
1566 \input{latex-localise-environments-xepersian.def}
1567 \input{xepersian-localise-environments-xepersian.def}
1568 \input{latex-localise-messages-xepersian.def}
1569 \input{latex-localise-misc-xepersian.def}
1570 \input{packages-localise-xepersian.def}
1571 \aliasfontfeature{ExternalLocation}{ }
1572 \aliasfontfeature{ExternalLocation}{ }
1573 \aliasfontfeature{Renderer}{ }
1574 \aliasfontfeature{BoldFont}{ }
1575 \aliasfontfeature{Language}{ }
1576 \aliasfontfeature{Script}{ }
1577 \aliasfontfeature{UprightFont}{ }
1578 \aliasfontfeature{ItalicFont}{ }
1579 \aliasfontfeature{BoldItalicFont}{ }
1580 \aliasfontfeature{SlantedFont}{ }
1581 \aliasfontfeature{BoldSlantedFont}{ }
1582 \aliasfontfeature{SmallCapsFont}{ }
1583 \aliasfontfeature{UprightFeatures}{ }
1584 \aliasfontfeature{BoldFeatures}{ }
1585 \aliasfontfeature{ItalicFeatures}{ }
1586 \aliasfontfeature{BoldItalicFeatures}{ }
1587 \aliasfontfeature{SlantedFeatures}{ }
1588 \aliasfontfeature{BoldSlantedFeatures}{ }
1589 \aliasfontfeature{SmallCapsFeatures}{ }
1590 \aliasfontfeature{SizeFeatures}{ }
1591 \aliasfontfeature{Scale}{ }
1592 \aliasfontfeature{WordSpace}{ }
1593 \aliasfontfeature{PunctuationSpace}{ }
1594 \aliasfontfeature{FontAdjustment}{ }
1595 \aliasfontfeature{LetterSpace}{ }
1596 \aliasfontfeature{HyphenChar}{ }
1597 \aliasfontfeature{Color}{ }
1598 \aliasfontfeature{Opacity}{ }
1599 \aliasfontfeature{Mapping}{ }
1600 \aliasfontfeature{Weight}{ }
1601 \aliasfontfeature{Width}{ }
1602 \aliasfontfeature{OpticalSize}{ }
1603 \aliasfontfeature{FakeSlant}{ }
1604 \aliasfontfeature{FakeStretch}{ }
1605 \aliasfontfeature{FakeBold}{ }
1606 \aliasfontfeature{AutoFakeSlant}{ }
1607 \aliasfontfeature{AutoFakeBold}{ }
1608 \aliasfontfeature{Ligatures}{ }
1609 \aliasfontfeature{Alternate}{ }
1610 \aliasfontfeature{Variant}{ }
1611 \aliasfontfeature{Variant}{ }

```



```

1612 \aliasfontfeature{CharacterVariant}{      }
1613 \aliasfontfeature{Style}{      }
1614 \aliasfontfeature{Annotation}{      }
1615 \aliasfontfeature{RawFeature}{      }
1616 \aliasfontfeature{CharacterWidth}{      }
1617 \aliasfontfeature{Numbers}{      }
1618 \aliasfontfeature{Contextuals}{      }
1619 \aliasfontfeature{Diacritics}{      }
1620 \aliasfontfeature{Letters}{      }
1621 \aliasfontfeature{Kerning}{      }
1622 \aliasfontfeature{VerticalPosition}{      }
1623 \aliasfontfeature{Fractions}{      }
1624 \aliasfontfeatureoption{Language}{Default}{      }
1625 \aliasfontfeatureoption{Language}{Parsi}{      }
1626 \aliasfontfeatureoption{Script}{Parsi}{      }
1627 \aliasfontfeatureoption{Script}{Latin}{      }
1628 \aliasfontfeatureoption{Style}{MathScript}{      }
1629 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```

### 7.38 memoir-xepersian.def

```

1630 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1631 \renewcommand{\@memfront}{%
1632   \@smemfront\pagenumbering{harfi}}
1633 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1634 \renewcommand*{\thebook}{\@tartibi\c@book}
1635 \renewcommand*{\thepart}{\@tartibi\c@part}
1636 \renewcommand{\appendix}{\par
1637   \setcounter{chapter}{0}%
1638   \setcounter{section}{0}%
1639   \gdef\@chapapp{\appendixname}%
1640   \gdef\thechapter{\@harfi\c@chapter}%
1641   \anappendixtrue}

```

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

```

1642 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

### 7.40 minitoc-xepersian.def

```

1643 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1644 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1645 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1646 \def\plttitle{\if@RTL else\ List of Tables\fi}%
1647 \def\mtctitle{\if@RTL else\ Contents\fi}%
1648 \def\mlftitle{\if@RTL else\ Figures\fi}%
1649 \def\mlttitle{\if@RTL else\ Tables\fi}%
1650 \def\stctitle{\if@RTL else\ Contents\fi}%
1651 \def\slftitle{\if@RTL else\ Figures\fi}%
1652 \def\slttitle{\if@RTL else\ Tables\fi}%

```

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



```

1653 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis
1654 %}1# \ \
1655 \@ \ \ @ \ \
1656 \1# \
1657 \1# @\
1658 \1# @\
1659 {\@ \ \
1660 %}2#1# @\ \
1661 %1# \ \ @\ \ \ \ \
1662 \2# \ \ @\ \
1663 {{2#1# \}}
1664 undefined\ \ \
1665
1666 %{ \ \ \ \ \1#} \ \} \1# \ \
1667 \ { \ \ \
1668 \ \ \
1669
1670
1671 \ \ \ \%} \#1
1672 \1#} \ \ \% \
1673 \ \ \ \
1674 }%
1675 \
1676 \ \ \
1677 }
1678 \= \ \
1679
1680
1681 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1682 \def\@xfloat #1[#2]{%
1683 \@nocument
1684 \def \@captive {#1}%
1685 \def \@fps {#2}%
1686 \@onelevel@sanitize \@fps
1687 \def \reserved@b {!}%
1688 \ifx \reserved@b \@fps
1689 \@fpsadddefault
1690 \else
1691 \ifx \@fps \@empty
1692 \@fpsadddefault
1693 \fi
1694 \fi
1695 \ifhmode
1696 \@bsphack
1697 \@floatpenalty -\@Mii
1698 \else
1699 \@floatpenalty -\@Miii
1700 \fi
1701 \ifinner
1702 \@parmoderr\@floatpenalty\z@

```



```

1703 \else
1704 \@next\@currbox\@freelist
1705 {%
1706 \@tempcnta \sixt@@n
1707 \expandafter \@tfor \expandafter \reserved@a
1708 \expandafter :\expandafter =\@fps
1709 \do
1710 {%
1711 \if \reserved@a h%
1712 \ifodd \@tempcnta
1713 \else
1714 \advance \@tempcnta \@ne
1715 \fi
1716 \fi
1717 \if \reserved@a %
1718 \ifodd \@tempcnta
1719 \else
1720 \advance \@tempcnta \@ne
1721 \fi
1722 \fi
1723 \if \reserved@a t%
1724 \@setfpsbit \tw@
1725 \fi
1726 \if \reserved@a %
1727 \@setfpsbit \tw@
1728 \fi
1729 \if \reserved@a b%
1730 \@setfpsbit 4%
1731 \fi
1732 \if \reserved@a %
1733 \@setfpsbit 4%
1734 \fi
1735 \if \reserved@a p%
1736 \@setfpsbit 8%
1737 \fi
1738 \if \reserved@a %
1739 \@setfpsbit 8%
1740 \fi
1741 \if \reserved@a !%
1742 \ifnum \@tempcnta>15
1743 \advance\@tempcnta -\sixt@@n\relax
1744 \fi
1745 \fi
1746 }%
1747 \@tempcntb \csname ftype@\@capytype \endcsname
1748 \multiply \@tempcntb \@xxxii
1749 \advance \@tempcnta \@tempcntb
1750 \global \count\@currbox \@tempcnta
1751 }%
1752 \@fltovf

```



```

1753 \fi
1754 \global \setbox\@currbox
1755 \color@vbox
1756 \normalcolor
1757 \vbox \bgroup
1758 \hsize\columnwidth
1759 \@parboxrestore
1760 \@floatboxreset
1761 }
1762 \let\bm@ \bm@c
1763 \let\bm@ \bm@l
1764 \let\bm@ \bm@r
1765 \let\bm@ \bm@b
1766 \let\bm@ \bm@t
1767 \let\bm@ \bm@s
1768 \long\def\@iiiparbox#1#2[#3]#4#5{%
1769 \leavevmode
1770 \@pboxswfalse
1771 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1772 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\fi
1773 \setlength\@tempdima{#4}%
1774 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1775 \ifx\relax#2\else
1776 \setlength\@tempdimb{#2}%
1777 \edef\@parboxto{to\the\@tempdimb}%
1778 \fi
1779 \if#1b\vbox
1780 \else\if#1 \vbox
1781 \else\if #1t\top
1782 \else\if vtop\ #1
1783 \else\ifmmode\vcenter
1784 \else\@pboxswtrue $\vcenter
1785 \fi\fi\fi\fi\fi
1786 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1787 \csname bm@#3\endcsname}%
1788 \if@pboxsw \m@th$\fi
1789 \@end@tempboxa}
1790 \def\@iiiminipage#1#2[#3]#4{%
1791 \leavevmode
1792 \@pboxswfalse
1793 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1794 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\fi
1795 \setlength\@tempdima{#4}%
1796 \def\@mpargs{#{1}{#2}[#3]{#4}}%
1797 \setbox\@tempboxa\vbox\bgroup
1798 \color@begingroup
1799 \hsize\@tempdima
1800 \textwidth\hsize \columnwidth\hsize
1801 \@parboxrestore
1802 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@

```



```

1803 \let\@footnotetext\@mpfootnotetext
1804 \let\@LTRfootnotetext\@mpLTRfootnotetext
1805 \let\@RTLfootnotetext\@mpRTLfootnotetext
1806 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1807 \@minipagerestore
1808 \setminipage}
1809 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1810 \ifnum \@lastchclass=3 5 \else
1811 \z@ \if #1c\@chnum \z@ \else
1812 \if chnum@ #1 \z@ \else
1813 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1814 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1815 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1816 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1817 \@chclass \if #1|\@ne \else
1818 \if #1@ \tw@ \else
1819 \if #1p3 \else
1820 \if 3 #1 \else \z@ \@preamerr 0\fi
1821 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1822 \fi}%
1823 }{}
1824 \@ifdefinitionfileloaded{array-xetex-bidi}{%
1825 \def\@testpach{\@chclass
1826 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1827 \ifnum \@lastchclass=7 5 \else
1828 \ifnum \@lastchclass=8 \tw@ \else
1829 \ifnum \@lastchclass=9 \thr@@
1830 \else \z@
1831 \ifnum \@lastchclass = 10 \else
1832 \edef\@nextchar{\expandafter\string\@nextchar}%
1833 \@chnum
1834 \if \@nextchar c\z@ \else
1835 \if \@nextchar @z\ \else
1836 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1837 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1838 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1839 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1840 \z@ \@chclass
1841 \if \@nextchar |\@ne \else
1842 \if \@nextchar !6 \else
1843 \if \@nextchar @7 \else
1844 \if \@nextchar <8 \else
1845 \if \@nextchar >9 \else
1846 10
1847 \@chnum
1848 \if \@nextchar m\thr@@\else
1849 \if \@nextchar thr@@\else\
1850 \if \@nextchar p4 \else
1851 \if \@nextchar 4 \else
1852 \if \@nextchar b5 \else

```



```

1853 \if \@nextchar 5 \else
1854 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1855 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1856 }{}
1857 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1858 \ifadl@usingarypkg
1859 \def\@testpach{\@chclass
1860 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1861 \ifnum \@lastchclass=7 5 \else
1862 \ifnum \@lastchclass=8 \tw@ \else
1863 \ifnum \@lastchclass=9 \thr@@
1864 \else \z@
1865 \ifnum \@lastchclass = 10 \else
1866 \edef\@nextchar{\expandafter\string\@nextchar}%
1867 \@chnum
1868 \if \@nextchar c\z@ \else
1869 \if \@nextchar @z\ \else
1870 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1871 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1872 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1873 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1874 \z@ \@chclass
1875 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1876 \if\@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1877 \if\@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1878 \if \@nextchar !6 \else
1879 \if \@nextchar @7 \else
1880 \if \@nextchar <8 \else
1881 \if \@nextchar >9 \else
1882 10
1883 \@chnum
1884 \if \@nextchar m\thr@@\else
1885 \if \@nextchar thr@@\else\
1886 \if \@nextchar p4 \else
1887 \if \@nextchar 4 \else
1888 \if \@nextchar b5 \else
1889 \if \@nextchar 5 \else
1890 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
1891 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1892
1893 \def\@classz{\@classx
1894 \@tempcnta \count@
1895 \prepnext@tok
1896 \@addtopreamble{\ifcase \@chnum
1897 \hfil
1898 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1899 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1900 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1901 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1902 \adl@endmbox\or

```





```

1903 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1904 \setbox\adl@box\ vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1905 \fi}\prepnext@tok}
1906 \def\adl@class@start{4}
1907 \def\adl@class@iiiorvii{7}
1908
1909 \else
1910 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1911 \ifnum \@lastchclass=\thr@@ 5\relax \else
1912 \z@ \if #1c\@chnum \z@ \else
1913 \if @chnum\z@\ #1 \else
1914 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1915 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1916 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1917 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1918 \@chclass
1919 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1920 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1921 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1922 \if #1@ \tw@ \else
1923 \if #1p\thr@@ \else
1924 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
1925 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1926
1927 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1928 \or \or \@addamp \or
1929 \@acolampacol \or \@firstampfalse \@acol \fi
1930 \edef\@preamble{\@preamble
1931 \ifcase \@chnum
1932 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1933 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1934 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1935 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1936 \or \or \@addamp \or
1937 \@acolampacol \or \@firstampfalse \@acol \fi
1938 \edef\@preamble{\@preamble
1939 \ifcase \@chnum
1940 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1941 \or \adl@putlrc{\@sharp\unskip}\hfil
1942 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1943 \def\adl@class@start{6}
1944 \def\adl@class@iiiorvii{3}
1945 \fi
1946 }{}
1947 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
1948 \def\@testpach{\@chclass
1949 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1950 \ifnum \@lastchclass=7 5 \else
1951 \ifnum \@lastchclass=8 \tw@ \else
1952 \ifnum \@lastchclass=9 \thr@@

```



[illegible]

```

2003 \let\@currbox\float@box
2004 \def\@capytype{#1}\setbox\@floatcapt=\vbox{}%
2005 \expandafter\ifx\csname fst@#1\endcsname\relax
2006 \@flstylefalse\else\@flstyletrue\fi
2007 \setbox\@currbox\color@vbox\normalcolor
2008 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2009 \@floatboxreset \@setnobreak
2010 \ignorespaces}
2011 }{}
2012 \beginngroup \catcode `|=0 \catcode `|= 1
2013 \catcode`=2 \catcode `|=12 \catcode `|=12
2014 \catcode`\=12 \gdef\@x@xepersian@localize@verbatim#1\[[ ] |1#]{ }
2015 \gdef\@sx@xepersian@localize@verbatim#1\[[* ] |1#]{* }
2016 \endgroup
2017 \def\@{\@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2018 \def\end {\if@newlist \leavevmode\fi\endtrivlist}
2019 \ExplSyntaxOn
2020 \AtBeginDocument{\@namedef{ }*}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@
2021 \ExplSyntaxOff
2022 \expandafter\let\csname end * \endcsname =\end

```

## 7.42 natbib-xepersian.def

```

2023 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2024 \renewcommand\NAT@set@cites{%
2025 \ifNAT@numbers
2026 \ifNAT@super \let\@cite\NAT@citesuper
2027 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2028 \let\citeyearpar=\citeyear
2029 \let\NAT@space\relax
2030 \def\NAT@super@kern{\kern\p@}%
2031 \else
2032 \let\NAT@mbox=\mbox
2033 \let\@cite\NAT@citenum
2034 \let\NAT@space\NAT@spacechar
2035 \let\NAT@super@kern\relax
2036 \fi
2037 \let\@citex\NAT@citexnum
2038 \let\@Latincitex\NAT@Latin@citexnum
2039 \let\@biblabel\NAT@biblabelnum
2040 \let\@bibsetup\NAT@bibsetnum
2041 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2042 \def\natexlab##1{%
2043 \def\NAT@penalty{\penalty\@m}%
2044 \else
2045 \let\@cite\NAT@cite
2046 \let\@citex\NAT@citex
2047 \let\@Latincitex\NAT@Latin@citex
2048 \let\@biblabel\NAT@biblabel
2049 \let\@bibsetup\NAT@bibsetup

```



```

2050 \let\NAT@space\NAT@spacechar
2051 \let\NAT@penalty\@empty
2052 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2053 \def\natexlab##1{##1}%
2054 \fi}
2055 \newcommand\NAT@Latin@citex{}
2056 \def\NAT@Latin@citex%
2057   [#1][#2]#3{%
2058   \NAT@reset@parser
2059   \NAT@sort@cites{#3}%
2060   \NAT@reset@citea
2061   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2062     \@for\@citeb:=\NAT@cite@list\do
2063       {\@safe@activestrue
2064         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2065         \@safe@activesfalse
2066         \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2067           {\reset@font\bfseries ?}\NAT@citeundefined
2068             \PackageWarning{natbib}%
2069               {Citation ``\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2070         {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2071           \NAT@parse{\@citeb}%
2072           \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2073             \let\NAT@name=\NAT@all@names
2074             \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2075           \fi
2076           \ifNAT@full\let\NAT@nm\NAT@all@names\else
2077             \let\NAT@nm\NAT@name\fi
2078           \ifNAT@swa\ifcase\NAT@ctype
2079             \if\relax\NAT@date\relax
2080               \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2081             \else
2082               \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2083                 \ifx\NAT@last@yr\NAT@year
2084                   \def\NAT@temp{}}}%
2085                   \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2086                     {Multiple citation on page \thepage: same authors and
2087                     year\MessageBreak without distinguishing extra
2088                     letter,\MessageBreak appears as question mark}\fi
2089                   \NAT@hyper@{\NAT@exlab}%
2090                 \else\unskip\NAT@spacechar
2091                   \NAT@hyper@{\NAT@date}%
2092                 \fi
2093               \else
2094                 \@citea\NAT@hyper@{%
2095                   \NAT@nmfmt{\NAT@nm}%
2096                   \hyper@natlinkbreak{%
2097                     \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2098                     }%
2099                   \NAT@date

```



```

2100         }%
2101     \fi
2102 \fi
2103 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}}%
2104 \or\@citea\NAT@hyper@{\NAT@date}%
2105 \or\@citea\NAT@hyper@{\NAT@alias}%
2106 \fi \NAT@def@citea
2107 \else
2108     \ifcase\NAT@ctype
2109     \if\relax\NAT@date\relax
2110         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}}%
2111     \else
2112         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2113             \ifx\NAT@last@yr\NAT@year
2114                 \def\NAT@temp{?}%
2115                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2116                     {Multiple citation on page \thepage: same authors and
2117                     year\MessageBreak without distinguishing extra
2118                     letter,\MessageBreak appears as question mark}\fi
2119                 \NAT@hyper@{\NAT@exlab}%
2120             \else
2121                 \unskip\NAT@spacechar
2122                 \NAT@hyper@{\NAT@date}%
2123             \fi
2124         \else
2125             \@citea\NAT@hyper@{%
2126                 \NAT@nmfmt{\NAT@nm}%
2127                 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2128                 {\@citeb\@extra@b@citeb}%
2129                 \NAT@date
2130             }%
2131         \fi
2132     \fi
2133 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}}%
2134 \or\@citea\NAT@hyper@{\NAT@date}%
2135 \or\@citea\NAT@hyper@{\NAT@alias}%
2136 \fi
2137 \if\relax\NAT@date\relax
2138     \NAT@def@citea
2139 \else
2140     \NAT@def@citea@close
2141 \fi
2142 \fi
2143 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2144 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2145 \newcommand\NAT@Latin@citexnum{}
2146 \def\NAT@Latin@citexnum[#1][#2]#3{%
2147     \NAT@reset@parser
2148     \NAT@sort@cites{#3}%
2149     \NAT@reset@citea

```



```

2150 \cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2151 \@for\@citeb:=\NAT@cite@list\do
2152 {\@safe@activetrue
2153 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2154 \@safe@activesfalse
2155 \ifundefined{b@\@citeb\@extra@b@citeb}{%
2156 {\reset@font\bfseries?}
2157 \NAT@citeundefined\PackageWarning{natbib}%
2158 {Citation `@\@citeb' on page \thepage \space undefined}}%
2159 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2160 \NAT@parse{\@citeb}%
2161 \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2162 \let\NAT@name=\NAT@all@names
2163 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2164 \fi
2165 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2166 \let\NAT@nm\NAT@name\fi
2167 \ifNAT@swa
2168 \@ifnum{\NAT@ctype>\@ne}{%
2169 \citea
2170 \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}}%
2171 }{%
2172 \@ifnum{\NAT@cmprs>\z@}{%
2173 \NAT@ifcat@num\NAT@num
2174 {\let\NAT@nm=\NAT@num}%
2175 {\def\NAT@nm{-2}}}%
2176 \NAT@ifcat@num\NAT@last@num
2177 {\@tempcnta=\NAT@last@num\relax}%
2178 {\@tempcnta\m@ne}%
2179 \@ifnum{\NAT@nm=\@tempcnta}{%
2180 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2181 }{%
2182 \advance\@tempcnta by\@ne
2183 \@ifnum{\NAT@nm=\@tempcnta}{%
2184 \ifx\NAT@last@yr\relax
2185 \def\NAT@last@yr{\@citea}%
2186 \else
2187 \def\NAT@last@yr{--\NAT@penalty}%
2188 \fi
2189 }{%
2190 \NAT@last@yr@mbox
2191 }%
2192 }%
2193 }{%
2194 \@tempswatrue
2195 \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}}%
2196 \if@tempswa\NAT@citea@mbox\fi
2197 }%
2198 }%
2199 \NAT@def@citea

```



```

2200 \else
2201 \ifcase\NAT@ctype
2202 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2203 \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2204 \fi
2205 \if*#1*\else#1\NAT@spacechar\fi
2206 \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2207 \NAT@def@citea@box
2208 \or
2209 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2210 \or
2211 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2212 \or
2213 \NAT@hyper@citea@space\NAT@alias
2214 \fi
2215 \fi
2216 }%
2217 }%
2218 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2219 \ifNAT@swa\else
2220 \@ifnum{\NAT@ctype=\z@}{%
2221 \if*#2*\else\NAT@cmt#2\fi
2222 }{%}%
2223 \NAT@mbox{\NAT@@close}%
2224 \fi
2225 }{\#1}{\#2}%
2226 }%
2227 \AtBeginDocument{\NAT@set@cites}
2228 \DeclareRobustCommand\Latincite
2229 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatru
2230 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2231 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2232 \ifNAT@numbers\else
2233 \NAT@swafalse
2234 \fi
2235 \NAT@@Latin@@citetp[]}}
2236 \newcommand\NAT@@Latin@@citetp{}
2237 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 7.43 packages-localise-xepersian.def

```

2238 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2239 color} \}{color} @\-localise-xepersian.def}}{}
2240 \@ifpackageloaded{multicol}{%
2241 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2242 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2243 }{}
2244 \@ifpackageloaded{verbatim}{%
2245 \begingroup
2246 \vrb@catcodes

```



```

2247 \lccode`\!=`\ \lccode`\[=\{ \lccode`\]=`\}
2248 \catcode`\~=\active \lccode`\~=\^^M
2249 \lccode`\C=\C
2250 \lowercase{\endgroup
2251 \def\xepersian@localize@verbatim@start#1{%
2252 \verbatim@startline
2253 \if\noexpand#1\noexpand~%
2254 \let\next\xepersian@localize@verbatim@
2255 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2256 \next}%
2257 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2258 \def\xepersian@localize@verbatim@@#1! {%
2259 \verbatim@addtoline{#1}%
2260 \futurelet\next\xepersian@localize@verbatim@@@}%
2261 \def\xepersian@localize@verbatim@@@#1\@nil{%
2262 \ifx\next\@nil
2263 \verbatim@processline
2264 \verbatim@startline
2265 \let\next\xepersian@localize@verbatim@
2266 \else
2267 \def\@tempa##1! \@nil{##1}%
2268 \@temptokena{! }%
2269 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2270 \fi \next}%
2271 \def\xepersian@localize@verbatim@test#1{%
2272 \let\next\xepersian@localize@verbatim@test
2273 \if\noexpand#1\noexpand~%
2274 \expandafter\verbatim@addtoline
2275 \expandafter{\the\@temptokena}%
2276 \verbatim@processline
2277 \verbatim@startline
2278 \let\next\xepersian@localize@verbatim@
2279 \else \if\noexpand#1
2280 \@temptokena\expandafter{\the\@temptokena#1}%
2281 \else \if\noexpand#1\noexpand[%
2282 \let\@tempc\@empty
2283 \let\next\xepersian@localize@verbatim@testend
2284 \else
2285 \expandafter\verbatim@addtoline
2286 \expandafter{\the\@temptokena}%
2287 \def\next{\xepersian@localize@verbatim@#1}%
2288 \fi\fi\fi
2289 \next}%
2290 \def\xepersian@localize@verbatim@testend#1{%
2291 \if\noexpand#1\noexpand~%
2292 \expandafter\verbatim@addtoline
2293 \expandafter{\the\@temptokena}%
2294 \expandafter\verbatim@addtoline
2295 \expandafter{\@tempc}%
2296 \verbatim@processline

```





```

2297         \verbatim@startline
2298         \let\next\xepersian@localize@verbatim@
2299         \else\if\noexpand#1\noexpand]%
2300             \let\next\xepersian@localize@verbatim@@testend
2301         \else\if\noexpand#1\noexpand!%
2302             \expandafter\verbatim@addtoline
2303             \expandafter{\the\@temptokena[]}%
2304             \expandafter\verbatim@addtoline
2305             \expandafter{\@tempc}%
2306             \def\next{\xepersian@localize@verbatim@!}%
2307         \else \expandafter\def\expandafter\@tempc\expandafter
2308             {\@tempc#1}\fi\fi\fi
2309         \next}%
2310     \def\xepersian@localize@verbatim@@testend{%
2311         \ifx\@tempc\@currenvir
2312             \verbatim@finish
2313             \edef\next{\noexpand\end{\@currenvir}}%
2314             \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%
2315         \else
2316             \expandafter\verbatim@addtoline
2317             \expandafter{\the\@temptokena[]}%
2318             \expandafter\verbatim@addtoline
2319             \expandafter{\@tempc}}}%
2320         \let\next\xepersian@localize@verbatim@
2321         \fi
2322         \next}%
2323     \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2324         \@warning{Characters dropped after `\'string\end{#1}''}\fi}}%
2325 \def\
2326     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2327     \xepersian@localize@verbatim@start}
2327 \@namedef{
2328     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2328 \def\end
2329     {\endtrivlist\endgroup\@doendpe}
2329 \expandafter\let\csname end
2330     *\endcsname =\end
2330 }{}
2331 \ExplSyntaxOn
2332 \AtBeginDocument{
2333     \xepersian_localize_patch_verbatim:
2334 }
2335 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2336     \@ifpackageloaded{verbatim}{
2337         \cs_set:cpn {*
2338             } }
2338         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2339     }
2340 }{
2341 }
2342 }
2343 \ExplSyntaxOff
2344 \@ifpackageloaded{graphicx}{%
2345 \def\Gin@boolkey#1#2{%
2346 \expandafter\ifdefinable \csname Gin@#2 \endcsname{%

```



```

2347 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2348 \expandafter\ifdefinable \csname Gin@#2 \endcsname{%
2349 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2350 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2351 \define@key{Grot}{origin}[c]{%
2352 \@tfor\@tempa:=#1\do{%
2353 \if l\@tempa \Grot@x\z@ \else
2354 \if tempa@ \Grot@x\z@ \else
2355 \if r\@tempa \Grot@x\width \else
2356 \if tempa@ \Grot@x\width \else
2357 \if t\@tempa \Grot@y\height \else
2358 \if tempa@ \Grot@y\height \else
2359 \if b\@tempa \Grot@y-\depth \else
2360 \if tempa@ \Grot@y-\depth \else
2361 \if B\@tempa \Grot@y\z@ \else
2362 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2363 {draft}{ \Gin @ \
2364 {origin}{ \Gin @ \
2365 {origin}{ \Grot @ \
2366 {clip}{ \Gin @ \
2367 {keepaspectratio}{ \Gin @ \
2368 {natwidth}{ \Gin @ \
2369 {natheight}{ \Gin @ \
2370 {bb}{ \Gin @ \
2371 {viewport}{ \Gin @ \
2372 {trim}{ \Gin @ \
2373 {angle}{ \Gin @ \
2374 {width}{ \Gin @ \
2375 {height}{ \Gin @ \
2376 {totalheight}{ \Gin @ \
2377 {scale}{ \Gin @ \
2378 {type}{ \Gin @ \
2379 {ext}{ \Gin @ \
2380 {read}{ \Gin @ \
2381 {command}{ \Gin @ \
2382 {x}{ \Grot @ \
2383 {y}{ \Grot @ \
2384 {units}{ \Grot @ \
2385 {}{}

```

## 7.44 parsidigits.map

```

2386 LHSName "Digits"
2387 RHSName "ParsiDigits"
2388
2389 pass(Unicode)
2390 U+0030 <> U+06F0 ;
2391 U+0031 <> U+06F1 ;
2392 U+0032 <> U+06F2 ;
2393 U+0033 <> U+06F3 ;

```



```

2394 U+0034 <> U+06F4 ;
2395 U+0035 <> U+06F5 ;
2396 U+0036 <> U+06F6 ;
2397 U+0037 <> U+06F7 ;
2398 U+0038 <> U+06F8 ;
2399 U+0039 <> U+06F9 ;
2400
2401
2402 U+002C <> U+060C ; comma > arabic comma
2403 U+003F <> U+061F ; question mark -> arabic qm
2404 U+003B <> U+061B ; semicolon -> arabic semicolon
2405
2406 ; ligatures from Knuth's original CMR fonts
2407 U+002D U+002D <> U+2013 ; -- -> en dash
2408 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2409
2410 U+0027 <> U+2019 ; ' -> right single quote
2411 U+0027 U+0027 <> U+201D ; '' -> right double quote
2412 U+0022 > U+201D ; " -> right double quote
2413
2414 U+0060 <> U+2018 ; ` -> left single quote
2415 U+0060 U+0060 <> U+201C ; `` -> left double quote
2416
2417 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2418 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2419
2420 ; additions supported in T1 encoding
2421 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2422 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2423 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 7.45 rapport1-xepersian.def

```

2424 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2425 \renewcommand*\thepart{\@tartibi\c@part}
2426 \renewcommand*\appendix{\par
2427   \setcounter{chapter}{0}%
2428   \setcounter{section}{0}%
2429   \gdef\@chapapp{\appendixname}%
2430   \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.46 rapport3-xepersian.def

```

2431 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2432 \renewcommand*\thepart{\@tartibi\c@part}
2433 \renewcommand*\appendix{\par
2434   \setcounter{chapter}{0}%
2435   \setcounter{section}{0}%
2436   \gdef\@chapapp{\appendixname}%
2437   \gdef\thechapter{\@harfi\c@chapter}}

```



## 7.47 refrep-xepersian.def

```
2438 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2439 \renewcommand \thepart {\@tartibi\c@part}
2440 \renewcommand\appendix{\par
2441   \setcounter{chapter}{0}%
2442   \setcounter{section}{0}%
2443   \gdef\@chapapp{\appendixname}%
2444   \gdef\thechapter{\@harfi\c@chapter}
2445 }%end appendix
```

## 7.48 report-xepersian.def

```
2446 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2447 \renewcommand \thepart {\@tartibi\c@part}
2448 \renewcommand\appendix{\par
2449   \setcounter{chapter}{0}%
2450   \setcounter{section}{0}%
2451   \gdef\@chapapp{\appendixname}%
2452   \gdef\thechapter{\@harfi\c@chapter}
2453 }%end appendix
```

## 7.49 scrartcl-xepersian.def

```
2454 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2455 \renewcommand*\thepart{\@tartibi\c@part}
2456 \renewcommand*\appendix{\par%
2457   \setcounter{section}{0}%
2458   \setcounter{subsection}{0}%
2459   \gdef\thesection{\@harfi\c@section}%
2460   \csname appendixmore\endcsname
2461 }
2462 \renewcommand*{\@maybeautodot}[1]{%
2463   \ifx #1\stop\let\@maybeautodot\relax
2464   \else
2465     \ifx #1\harfi \@autodottrue\fi
2466     \ifx #1\adadi \@autodottrue\fi
2467     \ifx #1\tartibi \@autodottrue\fi
2468     \ifx #1\Alph \@autodottrue\fi
2469     \ifx #1\alph \@autodottrue\fi
2470     \ifx #1\Roman \@autodottrue\fi
2471     \ifx #1\roman \@autodottrue\fi
2472     \ifx #1\@harfi \@autodottrue\fi
2473     \ifx #1\@adadi \@autodottrue\fi
2474     \ifx #1\@tartibi \@autodottrue\fi
2475     \ifx #1\@Alph \@autodottrue\fi
2476     \ifx #1\@alph \@autodottrue\fi
2477     \ifx #1\@Roman \@autodottrue\fi
2478     \ifx #1\@roman \@autodottrue\fi
2479     \ifx #1\romannumeral \@autodottrue\fi
2480   \fi
2481   \@maybeautodot
```



2482 }

## 7.50 scrbook-xepersian.def

```
2483 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2484 \renewcommand*\frontmatter{%
2485   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2486   \@mainmatterfalse\pagenumbering{harfi}%
2487 }
2488 \renewcommand*\thepart{\@tartibi\c@part}
2489 \renewcommand*\appendix{\par%
2490   \setcounter{chapter}{0}%
2491   \setcounter{section}{0}%
2492   \gdef\@chapapp{\appendixname}%
2493   \gdef\thechapter{\@harfi\c@chapter}%
2494   \csname appendixmore\endcsname
2495 }
2496 \renewcommand*\@maybeautodot}[1]{%
2497   \ifx #1\@stop\let\@maybeautodot\relax
2498   \else
2499     \ifx #1\harfi \@autodottrue\fi
2500     \ifx #1\adadi \@autodottrue\fi
2501     \ifx #1\tartibi \@autodottrue\fi
2502     \ifx #1\Alph \@autodottrue\fi
2503     \ifx #1\alph \@autodottrue\fi
2504     \ifx #1\Roman \@autodottrue\fi
2505     \ifx #1\roman \@autodottrue\fi
2506     \ifx #1\@harfi \@autodottrue\fi
2507     \ifx #1\@adadi \@autodottrue\fi
2508     \ifx #1\@tartibi \@autodottrue\fi
2509     \ifx #1\@Alph \@autodottrue\fi
2510     \ifx #1\@alph \@autodottrue\fi
2511     \ifx #1\@Roman \@autodottrue\fi
2512     \ifx #1\@roman \@autodottrue\fi
2513     \ifx #1\romannumeral \@autodottrue\fi
2514   \fi
2515   \@maybeautodot
2516 }
```

## 7.51 scrreprt-xepersian.def

```
2517 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2518 \renewcommand*\thepart{\@tartibi\c@part}
2519 \renewcommand*\appendix{\par%
2520   \setcounter{chapter}{0}%
2521   \setcounter{section}{0}%
2522   \gdef\@chapapp{\appendixname}%
2523   \gdef\thechapter{\@harfi\c@chapter}%
2524   \csname appendixmore\endcsname
2525 }
2526 \renewcommand*\@maybeautodot}[1]{%
```



```

2527 \ifx #1\@stop\let\@@maybeautodot\relax
2528 \else
2529 \ifx #1\harfi \@autodottrue\fi
2530 \ifx #1\adadi \@autodottrue\fi
2531 \ifx #1\tartibi \@autodottrue\fi
2532 \ifx #1\Alph \@autodottrue\fi
2533 \ifx #1\alph \@autodottrue\fi
2534 \ifx #1\Roman \@autodottrue\fi
2535 \ifx #1\roman \@autodottrue\fi
2536 \ifx #1\@harfi \@autodottrue\fi
2537 \ifx #1\@adadi \@autodottrue\fi
2538 \ifx #1\@tartibi \@autodottrue\fi
2539 \ifx #1\@Alph \@autodottrue\fi
2540 \ifx #1\@alph \@autodottrue\fi
2541 \ifx #1\@Roman \@autodottrue\fi
2542 \ifx #1\@roman \@autodottrue\fi
2543 \ifx #1\romannumeral \@autodottrue\fi
2544 \fi
2545 \@@maybeautodot
2546 }

```

## 7.52 soul-xepersian.def

```

2547 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2548 \let\SOUL@tt\relax
2549 \newfontface{\SOUL@tt}{Times New Roman}

```

## 7.53 tkz-linknodes-xepersian.def

```

2550 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2551 \renewcommand*{\@SetTab}{%
2552 \let\@alph\@latinalph%
2553 \ifnum \value{C@NumTab}>25\relax%
2554 \setcounter{C@NumTab}{1}%
2555 \else%
2556 \stepcounter{C@NumTab}%
2557 \fi%
2558 \setcounter{C@NumGroup}{0}%
2559 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2560 \setboolean{B@FirstLink}{true}
2561 \setboolean{B@NewGroup}{false}
2562 \setcounter{C@NumGroup}{0}
2563 \setcounter{C@CurrentGroup}{0}
2564 \setcounter{NumC@Node}{0}
2565 \setcounter{NumC@Stop}{0}
2566 \setcounter{C@NextNode}{0}
2567 \setcounter{C@CurrentStop}{0}
2568 \setcounter{C@CurrentNode}{0}
2569 }%

```

## 7.54 tocloft-xepersian.def



```

2570 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2571 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2572 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2573 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2574 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2575 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2576 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2577 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2578 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2579 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2580 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 7.55 xepersian.sty

```

2581 \NeedsTeXFormat{LaTeX2e}
2582 \def\xepersianversion{v18.4}
2583 \def\xepersiandate{2017/04/23}
2584 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2585 Persian typesetting in XeLaTeX]
2586 \RequirePackage{fontspec}
2587 \RequirePackage{xepersian-persiancal}
2588 \RequirePackage{xepersian-mathsdigitspec}
2589 \RequirePackage{bidi}
2590 \edef\xepersian@info{*****~J%
2591 * ~J%
2592 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2593 * ~J%
2594 * Description: The package supports Persian~J%
2595 * typesetting, using fonts provided in the~J%
2596 * distribution.~J%
2597 * ~J%
2598 * Copyright (c) 2008--2017 Vafa Khalighi~J%
2599 * ~J%
2600 * \xepersianversion, \xepersiandate~J%
2601 * ~J%
2602 * License: LaTeX Project Public License, version~J%
2603 * 1.3c or higher (your choice)~J%
2604 * ~J%
2605 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2606 * ~J%
2607 * Issue tracker: https://github.com/tex-xet/xepersian/issues~J%
2608 * ~J%
2609 * Support: persian-tex@tug.org~J%
2610 *****}
2611 \typeout{\xepersian@info}
2612 \edef\xepersian@everyjob{\the\everyjob}
2613 \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
2614 \edef\xbidi@strip@v\xepersianversion{\expandafter\xgobble\xepersianversion}
2615 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
2616 \ifdim\xbidi@strip@v\xepersianversion pt > #1 pt %

```



```

2617 \expandafter\@firstoftwo
2618 \else
2619 \expandafter\@secondoftwo
2620 \fi}
2621 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
2622 \ifdim\@bidi@strip@v@xepersianversion pt < #1 pt %
2623 \expandafter\@firstoftwo
2624 \else
2625 \expandafter\@secondoftwo
2626 \fi}
2627 \newcommand*{\IfxepersianPackageVersion}[1]{%
2628 \ifdim\@bidi@strip@v@xepersianversion pt = #1 pt %
2629 \expandafter\@firstoftwo
2630 \else
2631 \expandafter\@secondoftwo
2632 \fi}
2633 \def\prq{«}
2634 \def\plq{»}
2635 \def\xepersian@cmds@temp#1{%
2636 \begingroup\expandafter\expandafter\expandafter\endgroup
2637 \expandafter\ifx\csname xepersian@#1\endcsname\relax
2638 \begingroup
2639 \escapechar=-1 %
2640 \edef\x{\expandafter\meaning\csname#1\endcsname}%
2641 \def\y{#1}%
2642 \def\z##1->{}%
2643 \edef\y{\expandafter\z\meaning\y}%
2644 \expandafter\endgroup
2645 \ifx\x\y
2646 \expandafter\def\csname xepersian@#1\expandafter\endcsname
2647 \expandafter{%
2648 \csname#1\endcsname
2649 }%
2650 \fi
2651 \fi
2652 }%
2653 \xepersian@cmds@temp{shellescape}
2654 \newif\ifwritexviii
2655 \ifnum\xepersian@shellescape=1\relax
2656 \writexviii true
2657 \else
2658 \writexviii false
2659 \fi
2660 \newfontscript{Parsi}{arab}
2661 \newfontlanguage{Parsi}{FAR}
2662 \ExplSyntaxOn
2663
2664 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
2665 {
2666 \fontspec_set_family:Nnn \g_xepersian_persianfont_family {Script=Parsi,Language=Parsi,Mappi

```





```

2667 \tl_set_eq:NN \rmdefault \g__xepersian_persianfont_family
2668 \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2669 {
2670   \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2671   \exp_not:N \fontfamily { \g__xepersian_persianfont_family }
2672   \exp_not:N \selectfont
2673 }
2674 }
2675 \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2676 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2677 \normalfont
2678 \ignorespaces
2679 }
2680
2681 \DeclareDocumentCommand \setlatintextfont { O{} m O{} }
2682 {
2683   \fontspec_set_family:Nnn \g__xepersian_latinfont_family {Mapping=tex-text,#1,#3} {#2}
2684   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2685   {
2686     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2687     \exp_not:N \fontfamily { \g__xepersian_latinfont_family }
2688     \exp_not:N \selectfont
2689   }
2690   }
2691   \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2692   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2693   \normalfont
2694   \ignorespaces
2695 }
2696
2697 \tl_set_eq:NN \setlatinsansfont \setsansfont
2698 \tl_set_eq:NN \setlatinmonofont \setmonofont
2699
2700 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
2701 {
2702   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Pa
2703   \use:x
2704   {
2705     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2706     {
2707       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2708       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2709       \exp_not:N \selectfont
2710     }
2711   }
2712 }
2713
2714 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
2715 {
2716   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4}

```



```

2717 \use:x
2718 {
2719 \exp_not:N \DeclareRobustCommand \exp_not:N #1
2720 {
2721 \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2722 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2723 \exp_not:N \selectfont
2724 }
2725 }
2726 }
2727
2728 \newcommand\persiansfdefault{}
2729 \newcommand\persianttdefault{}
2730 \newcommand\iranicsfdefault{}
2731 \newcommand\navarsfdefault{}
2732 \newcommand\pooksfdefault{}
2733 \newcommand\sayehsfdefault{}
2734 \DeclareRobustCommand\persiansffamily
2735 {\not@math@alphabet\persiansffamily\mathpersiansf
2736 \fontfamily\persiansfdefault\selectfont}
2737 \DeclareRobustCommand\persianttfamily
2738 {\not@math@alphabet\persianttfamily\mathpersiantt
2739 \fontfamily\persianttdefault\selectfont}
2740 \DeclareRobustCommand\iranicsfamily
2741 {\not@math@alphabet\iranicsfamily\mathiranics
2742 \fontfamily\iranicsdefault\selectfont}
2743 \DeclareRobustCommand\navarsfamily
2744 {\not@math@alphabet\navarsfamily\mathnavar
2745 \fontfamily\navarsfdefault\selectfont}
2746 \DeclareRobustCommand\pooksfamily
2747 {\not@math@alphabet\pooksfamily\mathpook
2748 \fontfamily\pooksfdefault\selectfont}
2749 \DeclareRobustCommand\sayehsfamily
2750 {\not@math@alphabet\sayehsfamily\mathsayeh
2751 \fontfamily\sayehsfdefault\selectfont}
2752 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2753 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
2754 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
2755 \DeclareTextFontCommand{\textnavar}{\navarsfamily}
2756 \DeclareTextFontCommand{\textpook}{\pooksfamily}
2757 \DeclareTextFontCommand{\textsayeh}{\sayehsfamily}
2758
2759 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
2760 {
2761 \fontspec_set_family:Nnn \g__xepersian_persiansffamily_family {Script=Parsi,Language=Parsi,M
2762 \tl_set_eq:NN \persiansfdefault \g__xepersian_persiansffamily_family
2763 \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
2764 {
2765 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2766 \exp_not:N \fontfamily { \g__xepersian_persiansffamily_family }

```



```

2767 \exp_not:N \selectfont
2768 }
2769 }
2770 \str_if_eq_x:nnT {\familydefault} {\persiansfdefault}
2771 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2772 \normalfont
2773 \ignorespaces
2774 }
2775
2776 \DeclareDocumentCommand \setpersianmonofont { O{} m O{} }
2777 {
2778 \fontspec_set_family:Nnn \g__xepersian_persianttfamily_family {Script=Parsi,Language=Parsi,Mappi
2779 \tl_set_eq:NN \persianttdefault \g__xepersian_persianttfamily_family
2780 \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
2781 {
2782 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2783 \exp_not:N \fontfamily { \g__xepersian_persianttfamily_family }
2784 \exp_not:N \selectfont
2785 }
2786 }
2787 \str_if_eq_x:nnT {\familydefault} {\persianttdefault}
2788 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2789 \normalfont
2790 \ignorespaces
2791 }
2792
2793 \DeclareDocumentCommand \setnavarfont { O{} m O{} }
2794 {
2795 \fontspec_set_family:Nnn \g__xepersian_navarfamilly_family {Script=Parsi,Language=Parsi,Mappi
2796 \tl_set_eq:NN \navardefault \g__xepersian_navarfamilly_family
2797 \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
2798 {
2799 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2800 \exp_not:N \fontfamily { \g__xepersian_navarfamilly_family }
2801 \exp_not:N \selectfont
2802 }
2803 }
2804 \str_if_eq_x:nnT {\familydefault} {\navardefault}
2805 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2806 \normalfont
2807 \ignorespaces
2808 }
2809
2810 \DeclareDocumentCommand \setpookfont { O{} m O{} }
2811 {
2812 \fontspec_set_family:Nnn \g__xepersian_pookfamily_family {Script=Parsi,Language=Parsi,Mappi
2813 \tl_set_eq:NN \pookdefault \g__xepersian_pookfamily_family
2814 \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
2815 {
2816 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }

```



```

2817 \exp_not:N \fontfamily { \g__xepersian_pookfamily_family }
2818 \exp_not:N \selectfont
2819 }
2820 }
2821 \str_if_eq_x:nnT {\familydefault} {\pookdefault}
2822 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2823 \normalfont
2824 \ignorespaces
2825 }
2826
2827 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
2828 {
2829 \fontspec_set_family:Nnn \g__xepersian_sayehfamily_family {Script=Parsi,Language=Parsi,Mapping=
2830 \tl_set_eq:NN \sayehdefault \g__xepersian_sayehfamily_family
2831 \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
2832 {
2833 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2834 \exp_not:N \fontfamily { \g__xepersian_sayehfamily_family }
2835 \exp_not:N \selectfont
2836 }
2837 }
2838 \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
2839 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2840 \normalfont
2841 \ignorespaces
2842 }
2843
2844 \DeclareDocumentCommand \setiranicfont { 0{} m 0{} }
2845 {
2846 \fontspec_set_family:Nnn \g__xepersian_iranicfamily_family {Script=Parsi,Language=Parsi,Mapping=
2847 \tl_set_eq:NN \iranicdefault \g__xepersian_iranicfamily_family
2848 \use:x { \exp_not:n { \DeclareRobustCommand \iranicfamily }
2849 {
2850 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2851 \exp_not:N \fontfamily { \g__xepersian_iranicfamily_family }
2852 \exp_not:N \selectfont
2853 }
2854 }
2855 \str_if_eq_x:nnT {\familydefault} {\iranicdefault}
2856 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2857 \normalfont
2858 \ignorespaces
2859 }
2860
2861
2862 \ExplSyntaxOff
2863 \def\resetlatinfont{%
2864 \@nonlatinfalse%
2865 \let\normalfont\latinfont%
2866 \let\reset@font\normalfont%

```



```

2867 \latinfont%
2868 \fontsize\fontsize\font@size\font@baselineskip%
2869 \selectfont}
2870 \def\setpersianfont{%
2871 \nonlatintrue%
2872 \let\normalfont\persianfont%
2873 \let\resetfont\normalfont%
2874 \persianfont%
2875 \fontsize\fontsize\font@size\font@baselineskip%
2876 \selectfont}
2877 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
2878 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
2879 \def\latin{\LTR\LatinAlphs\RTL@footnotefalse\resetlatinfont}
2880 \def\endlatin{\endLTR}
2881 \def\persian{\RTL\PersianAlphs\RTL@footnotetrue\setpersianfont}
2882 \def\endpersian{\endRTL}
2883 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\RTL@footnotefalse\resetlatinfont}{\end{LTRitems}}
2884 \newenvironment{persiitems}{\begin{RTLitems}\PersianAlphs\RTL@footnotetrue\setpersianfont}{\end{RTLitems}}
2885 \let\originaltoday=\today
2886 \def\latintoday{\lr{\originaltoday}}
2887 \def\today{\rl{\persiantoday}}
2888 \def \@LTRmarginparreset {%
2889     \resetfont
2890     \resetlatinfont
2891     \normalsize
2892     \@minipagetrue
2893     \everypar{\@minipagefalse\everypar{}\beginL}%
2894 }
2895 \DeclareRobustCommand\Latincite{%
2896     \@ifnextchar [{\@tempwattrue\@Latincitex}{\@tempwafalse\@Latincitex[]}}
2897 \def\@Latincitex[#1]#2{\leavevmode
2898     \let\@citea\@empty
2899     \@citef{\lr{\@for\@citeb:=#2\do
2900         {\@citea\def\@citea{\penalty\@m\ }%
2901             \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2902             \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
2903             \ifundefined{b\@citeb}{\hbox{\resetfont\bfseries ?}%
2904                 \G@refundefinedtrue
2905                 \@latex@warning
2906                 {Citation `'\@citeb' on page \thepage \space undefined}}%
2907                 {\@cite@ofmt{\csname b\@citeb\endcsname}}}}}{#1}}
2908
2909 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
2910
2911 \newif\if@xepersian@computeautoilg
2912 \newcount\xepersian@tcl
2913 \newdimen\xepersian@ilg
2914 \newdimen\xepersian@strutilg
2915 \chardef\font@ur=4
2916 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue

```



```

2917 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
2918 \loop
2919 \iffontchar\font\xepersian@tcl
2920 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
2921 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2922 \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
2923 \fi
2924 \else
2925 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
2926 \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2927 \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
2928 \fi
2929 \fi
2930 \fi
2931 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
2932 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2933 \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
2934 \fi
2935 \else
2936 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
2937 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2938 \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
2939 \fi
2940 \fi
2941 \fi
2942 \fi
2943 \advance\xepersian@tcl\@ne
2944 \ifnum\xepersian@tcl<1792\repeat
2945 \advance\xepersian@strutilg\xepersian@ilg
2946 % \ifdim\xepersian@strutilg>\baselineskip
2947 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
2948 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
2949 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
2950 % \selectfont
2951 % \fi
2952 }
2953
2954 \newcommand\twocolumnstableofcontents{%
2955 \if@bidi@csundef{multi@column@out}{%
2956 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b
2957 \begin{multicols}{2}[\section*{\contentsname}]%
2958 \small
2959 \@starttoc{toc}%
2960 \end{multicols}}}%
2961 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
2962 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
2963 \def\figurename{\if@RTL else\ Figure\fi}
2964 \def\tablename{\if@RTL else\ Table\fi}
2965 \def\contentsname{\if@RTL else\ Contents\fi}

```



```

2966 \def\listfigurename{\if@RTL     else\   List of Figures\fi}
2967 \def\listtablename{\if@RTL     else\   List of Tables\fi}
2968 \def\appendixname{\if@RTL else\   Appendix\fi}
2969 \def\indexname{\if@RTL else\   Index\fi}
2970 \def\refname{\if@RTL else\   References\fi}
2971 \def\abstractname{\if@RTL else\   Abstract\fi}
2972 \def\partname{\if@RTL else\   Part\fi}
2973 \def\datename{\if@RTL else\   Date:\fi}
2974 \def\@and{\if@RTL else\   and\fi}
2975 \def\bibname{\if@RTL else\   Bibliography\fi}
2976 \def\chaptername{\if@RTL else\   Chapter\fi}
2977 \def\ccname{\if@RTL else\   cc\fi}
2978 \def\enclname{\if@RTL else\   encl\fi}
2979 \def\pagename{\if@RTL else\   Page\fi}
2980 \def\headtoname{\if@RTL else\   To\fi}
2981 \def\proofname{\if@RTL else\   Proof\fi}
2982 \def\@Abjad#1{%
2983   \ifcase#1\or or\ or\ or\ %
2984         \or or\ or\ or\ or\ %
2985         \or or\ or\ or\ or\ %
2986         \or or\ or\ or\ %
2987         \or or\ or\ or\ or\ %
2988         \or or\ or\ or\ or\ %
2989         \else\@ctrerr\fi}
2990 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
2991 \let\Abjadnumeral\@Abjad
2992 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\ or\
2993 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
2994 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
2995 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
2996 \let\harfinumeral\@harfi
2997 \newcommand{\adadi}[1]{%
2998 \expandafter\@adadi\csname c@#1\endcsname%
2999 }
3000 \newcommand{\@adadi}[1]{%
3001 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
3002 }
3003 \let\adadinumeral\@adadi%
3004 \def\xepersian@numberoutofrange#1#2{%
3005 \PackageError{xepersian}{The number `#1' is too large %
3006 to be formatted using xepersian}{The largest possible %
3007 number is 999,999,999.}%
3008 }
3009 \def\xepersian@numberstring#1#2#3#4{%
3010 \ifnum\number#1<\@ne%
3011 #3%
3012 \else\ifnum\number#1<1000000000 %
3013 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3014 \else%
3015 \xepersian@numberoutofrange{#1}{#4}%

```



```

3016 \fi\fi%
3017 }
3018 \def\xepersian@adadi#1#2{%
3019 \expandafter\xepersian@@adadi%
3020 \ifcase%
3021 \ifnum#1<10 1%
3022 \else\ifnum#1<100 2%
3023 \else\ifnum#1<\@m 3%
3024 \else\ifnum#1<\@M 4%
3025 \else\ifnum#1<100000 5%
3026 \else\ifnum#1<1000000 6%
3027 \else\ifnum#1<10000000 7%
3028 \else\ifnum#1<100000000 8%
3029 \else9%
3030 \fi\fi\fi\fi\fi\fi\fi\fi %
3031 \or00000000#1% case 1: Add 8 leading zeros
3032 \or0000000#1% case 2: Add 7 leading zeros
3033 \or000000#1% case 3: Add 6 leading zeros
3034 \or00000#1% case 4: Add 5 leading zeros
3035 \or0000#1% case 5: Add 4 leading zeros
3036 \or000#1% case 6: Add 3 leading zeros
3037 \or00#1% case 7: Add 2 leading zeros
3038 \or0#1% case 8: Add 1 leading zero
3039 \or#1% case 9: Add no leading zeros
3040 \or%
3041 \@nil#2%
3042 \fi%
3043 }
3044 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3045 \ifnum#1#2#3>\z@
3046 \xepersian@milyoongan#1#2#3%
3047 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3048 \fi%
3049 \ifnum#4#5#6>\z@%
3050 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3051 \ifnum#4#5#6>\@ne\fi%
3052 %
3053 \ifnum#7>\z@\ \fi%
3054 \fi%
3055 \xepersian@sadgan#7{#4#5#6}1#9%
3056 }
3057 \def\xepersian@milyoongan#1#2#3{%
3058 \ifnum#1#2#3=\@ne%
3059 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3060 %
3061 %
3062 \else%
3063 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3064 %
3065 %

```





```

3066 \fi%
3067 }
3068 \def\xepersian@sadgan#1#2#3#4#5#6{%
3069 \ifnum#1>\z@%
3070 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3071 %
3072 \ifnum#2#3>\z@\ \fi%
3073 \fi%
3074 \ifnum#2#3<20%
3075 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3076 \else%
3077 \xepersian@dahgan#2%
3078 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3079 #60%
3080 \fi%
3081 }
3082 \def\xepersian@yekani#1{%
3083 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3084 \or or\ or\ or\ or\ or\ %
3085 \or or\ or\ or\ %
3086 \or or\ %fi\
3087 }
3088 \def\xepersian@yekanii#1{%
3089 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3090 }
3091 \def\xepersian@yekaniii#1{%
3092 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3093 }
3094 \def\xepersian@yekaniv#1{%
3095 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3096 \or or\ or\ %fi\
3097 }
3098 \def\xepersian@dahgan#1{%
3099 \ifcase#1\or\or or\ or\ %
3100 \or or\ or\ or\ %
3101 \or %fi\
3102 }
3103 \newcommand{\tartibi}[1]{%
3104 \expandafter\@tartibi\csname c@#1\endcsname%
3105 }
3106 \newcommand{\@tartibi}[1]{%
3107 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3108 }
3109 \let\tartibinumeral\@tartibi%
3110 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3111 \ifnum\number#1<\@ne%
3112 #3%
3113 \else\ifnum\number#1<1000000000 %
3114 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3115 \else%

```



```

3116 \xepersian@numberoutofrange{#1}-{#4}%
3117 \fi\fi%
3118 }
3119 \def\xepersian@adadi@tartibi#1#2{%
3120 \expandafter\xepersian@@adadi@tartibi%
3121 \ifcase%
3122 \ifnum#1<10 1%
3123 \else\ifnum#1<100 2%
3124 \else\ifnum#1<\@m 3%
3125 \else\ifnum#1<\@M 4%
3126 \else\ifnum#1<100000 5%
3127 \else\ifnum#1<1000000 6%
3128 \else\ifnum#1<10000000 7%
3129 \else\ifnum#1<100000000 8%
3130 \else9%
3131 \fi\fi\fi\fi\fi\fi\fi\fi %
3132 \or00000000#1% case 1: Add 8 leading zeros
3133 \or0000000#1% case 2: Add 7 leading zeros
3134 \or000000#1% case 3: Add 6 leading zeros
3135 \or00000#1% case 4: Add 5 leading zeros
3136 \or0000#1% case 5: Add 4 leading zeros
3137 \or000#1% case 6: Add 3 leading zeros
3138 \or00#1% case 7: Add 2 leading zeros
3139 \or0#1% case 8: Add 1 leading zero
3140 \or#1% case 9: Add no leading zeros
3141 \or%
3142 \@nil#2%
3143 \fi%
3144 }
3145 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3146 \ifnum#1#2#3>\z@
3147 \xepersian@milyoongan@tartibi#1#2#3%
3148 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3149 \fi%
3150 \ifnum#4#5#6>\z@%
3151 \xepersian@sadgan#4#5#6{#1#2#3}-{#4#5}\xepersian@yekani%
3152 \ifnum#4#5#6>\@ne \fi%
3153 %
3154 \ifnum#7>\z@\ \fi%
3155 \fi%
3156 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3157 }
3158 \def\xepersian@milyoongan@tartibi#1#2#3{%
3159 \ifnum#1#2#3=\@ne%
3160 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3161 %
3162 %
3163 \else%
3164 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3165 %

```



```

3166 %
3167 \fi%
3168 }
3169 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3170 \ifnum#1>\z@%
3171 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3172 %
3173 \ifnum#2#3>\z@ \fi%
3174 \fi%
3175 \ifnum#2#3<20%
3176 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3177 \else%
3178 \ifnum#2#3=30%
3179 \xepersian@dahgan@tartibi#2%
3180 \else%
3181 \xepersian@dahgan#2%
3182 \fi%
3183 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3184 #60%
3185 \fi%
3186 }
3187 \def\xepersian@dahgan@tartibi#1{%
3188 \ifcase#1\or\or\or\or\ %
3189 \or\or\or\or\ %
3190 \or\ %fi\
3191 }
3192 \def\xepersian@tartibi#1{%
3193 \ifcase#1\or\or\or\or\ %
3194 \or\or\or\or\ %
3195 \or\or\or\ %
3196 \or\or\ %
3197 \or\or\ %fi\
3198 }
3199 \def\xepersian@yekanv#1{%
3200 \ifcase#1\@empty\or\or\or\or\or\or\ %
3201 \or\or\or\or\or\or\ %
3202 \or\or\or\ %
3203 \or\or\ %fi\
3204 }
3205 \providecommand*\xpg@warning}[1]{%
3206 \PackageWarning{XePersian}%
3207 {#1}}
3208 \if@bidi@csundef{@abjad}{%
3209 \def\@abjad#1{%
3210 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3211 \else
3212 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3213 \else
3214 \ifnum#1<10\expandafter\abj@num@i\number#1%
3215 \else

```



```

3216 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3217 \else
3218 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3219 \else
3220 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3221 \fi
3222 \fi
3223 \fi
3224 \fi
3225 \fi
3226 \fi
3227 }
3228 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3229 \let\abjadnumeral\@abjad
3230 \def\abjad@zero{}
3231 \def\abj@num@i#1{%
3232 \ifcase#1\or or\ or\ or\ %
3233 \or or\ or\ or\ or\ fi\
3234 \ifnum#1=\z@\abjad@zero\fi}
3235 \def\abj@num@ii#1{%
3236 \ifcase#1\or or\ or\ or\ or\ %
3237 \or or\ or\ or\ fi\
3238 \ifnum#1=\z@\fi\abj@num@i}
3239 \def\abj@num@iii#1{%
3240 \ifcase#1\or or\ or\ or\ or\ %
3241 \or or\ or\ or\ fi\
3242 \ifnum#1=\z@\fi\abj@num@ii}
3243 \def\abj@num@iv#1{%
3244 \ifcase#1\or fi\
3245 \ifnum#1=\z@\fi\abj@num@iii}
3246 }{}
3247 \let\@latinalph\@alph%
3248 \let\@latinAlph\@Alph%
3249 \def\LatinAlphs{%
3250 \let\@alph\@latinalph%
3251 \let\@Alph\@latinAlph%
3252 }
3253 \bidi@AfterEndPreamble{%
3254 \if@bidi@csundef{persianfont}{%
3255 \PackageError{xepersian}{You have not specified any font\MessageBreak
3256 for the main Persian text}{Use '\settextfont' to load a font.}%
3257 }{}
3258 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3259 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3260 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3261 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3262 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3263 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3264 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3265 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}

```



```

3266 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{}
3267 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3268 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3269 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3270 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3271 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3272 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3273 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3274 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3275 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3276 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}{}}
3277 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3278 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3279 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3280 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3281 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3282 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3283 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3284 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3285 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3286 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3287 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3288 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3289 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3290 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3291 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3292 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3293 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3294 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3295 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3296 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3297 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3298 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3299 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3300 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3301 \ifcase\xepersian@tempb\relax
3302 \AutoMathsDigits
3303 \or
3304 \DefaultMathsDigits
3305 \or
3306 \PersianMathsDigits
3307 \fi}
3308 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3309 \ifcase\xepersian@tempb\relax
3310 \RTLtrue
3311 \or
3312 \RTLfalse
3313 \fi}
3314
3315 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}

```



```

3316 \ifcase\xepersian@tempb\relax
3317 \RTLtrue
3318 \or
3319 \RTLfalse
3320 \fi}
3321
3322
3323 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft
3324 \ifcase\xepersian@tempb\relax
3325 \RTLtabtrue
3326 \or
3327 \RTLtabfalse
3328 \fi}
3329
3330 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[lat
3331 \ifcase\xepersian@tempb\relax
3332 \@nonlatinfalse
3333 \or
3334 \@nonlatintrue
3335 \fi}
3336
3337 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3338 \ifcase\xepersian@tempb\relax
3339 \RTLtrue
3340 \or
3341 \RTLfalse
3342 \fi}
3343 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef
3344 \ifcase\xepersian@tempb\relax
3345 \autofootnoterule
3346 \or
3347 \leftfootnoterule
3348 \or
3349 \rightfootnoterule
3350 \or
3351 \SplitFootnoteRule
3352 \or
3353 \textwidthfootnoterule
3354 \fi}
3355 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttol
3356 \ifcase\xepersian@tempb\relax
3357 \RTL@footnotettrue
3358 \or
3359 \RTL@footnotefalse
3360 \fi}
3361 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3362 \ifcase\xepersian@tempb\relax
3363 \footdir@debugtrue
3364 \or
3365 \footdir@debugfalse

```



```

3366 \fi}
3367 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3368 \ifcase\xepersian@tempb\relax
3369 \input{kashida-xepersian.def}
3370 \fi}
3371 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3372 \ifcase\xepersian@tempb\relax
3373 \input{localise-xepersian.def}
3374 \fi}
3375 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3376 \ifcase\xepersian@tempb\relax
3377 \@extrafootnotefeaturestrue
3378 \or
3379 \@extrafootnotefeaturesfalse
3380 \fi}
3381 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3382 \ifcase\xepersian@tempb\relax
3383 \PackageWarning{xepersian}{Obsolete option}%
3384 \ifwritexviii%
3385 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3386 \renewcommand\printindex{\newpage%
3387 \immediate\closeout\@indexfile
3388 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3389 \@input@{\jobname.ind}}}%
3390 \else
3391 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3392 \fi
3393 \fi}
3394 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3395 \ifcase\xepersian@tempb\relax
3396 \ifwritexviii%
3397 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3398 \renewcommand\printindex{\newpage%
3399 \immediate\closeout\@indexfile
3400 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
3401 \@input@{\jobname.ind}}}%
3402 \else
3403 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3404 \fi
3405 \fi}
3406 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3407 \ifcase\xepersian@tempb\relax
3408 \ifwritexviii%
3409 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3410 \renewcommand\printindex{\newpage%
3411 \immediate\closeout\@indexfile
3412 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3413 \@input@{\jobname.ind}}}%
3414 \else
3415 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "

```



```

3416         \fi
3417     \fi}
3418 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3419     \ifcase\xepersian@tempb\relax
3420         \def\PersianAlphs{%
3421             \let\@alph\@abjad%
3422             \let\@Alph\@abjad%
3423         }
3424     \or
3425         \def\PersianAlphs{%
3426             \let\@alph\@Abjad%
3427             \let\@Alph\@Abjad%
3428         }
3429     \fi}
3430 \DeclareOptionX{defaultlatinfontfeatures}{%
3431 \defaultfontfeatures
3432 [\latinfont]
3433 {#1}
3434 }
3435
3436
3437 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]
3438 \ifcase\xepersian@tempb\relax
3439     \xepersian@@computeautoilgtrue
3440 \or
3441     \xepersian@@computeautoilgfalse
3442 \fi}
3443
3444
3445
3446 \ExecuteOptionsX{%
3447     documentdirection=righttoleft,
3448     tabledirection=righttoleft,
3449     script=nonlatin,
3450     footnotedirection=righttoleft,
3451     footnoterule=automatic,
3452     abjadvariant=two
3453 }
3454
3455 \ProcessOptionsX
3456
3457 \if@extrafootnotefeatures
3458     \input{extrafootnotefeatures-xetex-bidi.def}
3459     \input{extrafootnotefeatures-xepersian.def}
3460 \fi
3461
3462 \if\xepersian@@computeautoilg
3463 \bidi@patchcmd{\set@fontsize}{%
3464 \baselineskip\font@baselineskip\relax
3465 }{%

```





```

3466 \baselineskip\fbaselineskip\relax
3467 \xepersian@computeautoilg
3468 \ifdim\xepersian@strutilg>\baselineskip
3469 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3470 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3471 \baselineskip\xepersian@strutilg
3472 \fi
3473 }{}{}
3474 \fi
3475
3476 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita}
3477 \PersianAlphs

```

## 7.56 xepersian-magazine.cls

```

3478 \NeedsTeXFormat{LaTeX2e}
3479 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3480 \RequirePackage{ifthen}
3481 \newlength{\xepersian@imgsize}
3482 \newlength{\xepersian@coltitsize}
3483 \newlength{\xepersian@pageneed}
3484 \newlength{\xepersian@pageleft}
3485 \newlength{\xepersian@indexwidth}
3486 \newcommand{\xepersian@ncolumns}{0}
3487 \newlength{\columnlines}
3488 \setlength{\columnlines}{0 pt} % no lines by default
3489 \newboolean{xepersian@hyphenatedtitles}
3490 \setboolean{xepersian@hyphenatedtitles}{true}
3491 \newboolean{xepersian@ninepoints}
3492 \setboolean{xepersian@ninepoints}{false}
3493 \newboolean{xepersian@showgrid}
3494 \setboolean{xepersian@showgrid}{false}
3495 \newboolean{xepersian@a3paper}
3496 \setboolean{xepersian@a3paper}{false}
3497 \newboolean{xepersian@insidefrontpage}
3498 \setboolean{xepersian@insidefrontpage}{false}
3499 \newboolean{xepersian@insideweather}
3500 \setboolean{xepersian@insideweather}{false}
3501 \newboolean{xepersian@insideindex}
3502 \setboolean{xepersian@insideindex}{false}
3503 \newcount\xepersian@gridrows
3504 \newcount\xepersian@gridcolumns
3505 \xepersian@gridrows=40
3506 \xepersian@gridcolumns=50
3507 \newcount\minraggedcols
3508 \minraggedcols=5
3509 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3510 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3511 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3512 \DeclareOption{twocolumn}%

```



```

3513 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3514 \DeclareOption{notitlepage}%
3515 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3516 \DeclareOption{twoside}%
3517 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3518 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3519 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3520 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3521 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3522 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3523 \ProcessOptions\relax
3524 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3525 \RequirePackage{ifxetex}
3526 \RequirePackage{multido}
3527 \RequirePackage{datetime}
3528 \RequirePackage{multicol}
3529 \RequirePackage{fancyhdr}
3530 \RequirePackage{fancybox}
3531 \ifthenelse{\boolean{xepersian@a3paper}}{%
3532 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3533 }{
3534 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3535 }
3536 \RequirePackage[absolute]{textpos} % absolute positioning
3537 \RequirePackage{hyphenat} % when hyphenate
3538 \RequirePackage{lastpage} % to know the last page number
3539 \RequirePackage{setspace} % set space between lines
3540 \RequirePackage{ragged2e}
3541 \newcommand{\raggedFormat}{\RaggedLeft}
3542 \AtEndOfClass{\xepersianInit}
3543 \ifthenelse{\boolean{xepersian@showgrid}}{%
3544 \AtBeginDocument{
3545 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3546 \advance\minraggedcols by -1
3547 }{%
3548 \AtBeginDocument{
3549 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3550 \advance\minraggedcols by -1
3551 }
3552 \ifthenelse{\boolean{xepersian@ninepoints}}{
3553 \renewcommand{\normalsize}{%
3554   \@setfontsize{\normalsize}{9pt}{10pt}%
3555   \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3556   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3557   \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3558   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3559
3560 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3561
3562 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}

```



```

3563
3564 \renewcommand{\small}{%
3565   \@setfontsize{\small}{8pt}{9pt}%
3566   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3567   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3568   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3569   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3570
3571 \renewcommand{\footnotesize}{%
3572   \@setfontsize{\footnotesize}{8pt}{9pt}%
3573   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3574   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3575   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3576   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3577
3578 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3579 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3580 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3581 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3582 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3583 }{}
3584 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3585 \newcommand{\xepersian@wwwFormat}{\sffamily}
3586 \newcommand{\xepersian@www}{%
3587   \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3588 }
3589 \newcommand{\xepersian@edition}{
3590   \newcommand{\editionFormat}{\large\bfseries\texttt}
3591   \newcommand{\xepersian@editionLogo}{%
3592     \raisebox{-3pt}{%
3593       {\editionFormat\xepersian@edition}%
3594     }%
3595 }
3596 \newcommand{\indexFormat}{\large\bfseries}
3597 \newcommand{\xepersian@indexFrameTitle}[1]
3598 {\begin{flushright}{\{\indexFormat #1\}\end{flushright}}
3599
3600 \newcommand{\indexEntryFormat}{\normalsize}
3601 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3602 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3603 \end{minipage}}
3604 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3605 \newcommand{\indexEntryPageTxt}{
3606 \newcommand{\indexEntryPageFormat}{\footnotesize}
3607 \newcommand{\xepersian@indexEntryPage}[1]{%
3608 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
3609 }
3610 \newcommand{\headDateTimeFormat}{
3611 \newcommand{\xepersian@headDateTime}{%
3612 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%

```



```

3613 \currenttime %
3614 }
3615 \newcommand{\weatherFormat}{\bfseries}
3616 \newcommand{\xepersian@weather}[1]{%
3617 \noindent{\weatherFormat #1}%
3618 }
3619 \newcommand{\weatherTempFormat}{\small}
3620 \newcommand{\weatherUnits}{\textdegree{}C}
3621 \newcommand{\xepersian@section}[0]{ {
3622 \newcommand{\xepersian@headleft}{%
3623 {\small\bfseries \@custommagazinename} \date
3624 }
3625 \newcommand{\xepersian@headcenter}{%
3626 \xepersian@section{
3627 }
3628 \newcommand{\xepersian@headright}{%
3629 \small\xepersian@edition%
3630 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3631 }
3632
3633 \newcommand{\heading}[3]{%
3634 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3635 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3636 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3637 }
3638 \newcommand{\xepersian@footright}{%
3639 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
3640 }
3641 \newcommand{\xepersian@footcenter}{%
3642 }
3643 \newcommand{\xepersian@footleft}{%
3644 }
3645
3646 \newcommand{\foot}[3]{%
3647 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3648 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3649 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3650 }
3651 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3652 \newcommand{\xepersian@firstTitle}[1]{%
3653 {%
3654 \begin{spacing}{2.0}{%
3655 \noindent\ignorespaces
3656 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3657 {\nohyphens{\firstTitleFormat #1}}%
3658 {\{\firstTitleFormat #1}}%
3659 }%
3660 \end{spacing}%
3661 }%
3662 }

```



```

3663 \newcommand{\firstTextFormat}{}
3664 \newcommand{\xepersian@firstText}[1]{%
3665 {\noindent\ignorespaces\firstTextFormat #1}%
3666 }
3667 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3668 \newcommand{\xepersian@secondTitle}[1]{%
3669 \begin{spacing}{1.5}{%
3670 \noindent\ignorespaces\flushright
3671 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3672 {\nohyphens{\secondTitleFormat #1}}%
3673 {\secondTitleFormat #1}}%
3674 }\end{spacing}%
3675 }
3676 \newcommand{\secondSubtitleFormat}{\large}
3677 \newcommand{\xepersian@secondSubtitle}[1]{%
3678 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
3679 }
3680 \newcommand{\secondTextFormat}{}
3681 \newcommand{\xepersian@secondText}[1]{%
3682 \begin{multicols}{2}
3683 {\noindent\ignorespaces\secondTextFormat #1}
3684 \end{multicols}
3685 }
3686 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3687 \newcommand{\xepersian@thirdTitle}[1]{%
3688 \begin{spacing}{1.5}{%
3689 \noindent\ignorespaces\flushright
3690 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3691 {\nohyphens{\thirdTitleFormat #1}}%
3692 {\thirdTitleFormat #1}}%
3693 }\end{spacing}%
3694 }
3695 \newcommand{\thirdSubtitleFormat}{\large}
3696 \newcommand{\xepersian@thirdSubtitle}[1]{%
3697 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3698 \newcommand{\thirdTextFormat}{}
3699 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3700 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3701 \newcommand{\xepersian@pictureCaption}[1]{%
3702 {\noindent\pictureCaptionFormat #1}%
3703 }
3704 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3705 \newcommand{\xepersian@pages}[1]{%
3706 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3707 \newcommand{\innerTitleFormat}{\Huge}
3708 \newcommand{\xepersian@innerTitle}[1]{%
3709 \begin{flushright}{%
3710 \noindent
3711 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3712 {\nohyphens{\innerTitleFormat #1}}%

```



```

3713 {{\innerTitleFormat #1}}%
3714 }%
3715 \\\%
3716 \end{flushright}%
3717 }
3718 \newcommand{\innerSubtitleFormat}{\large}
3719 \newcommand{\xepersian@innerSubtitle}[1]{{\innerSubtitleFormat #1}}
3720 \newcommand{\timestampTxt}{}
3721 \newcommand{\timestampSeparator}{|}
3722 \newcommand{\timestampFormat}{\small}
3723 \newcommand{\timestamp}[1]{%
3724 {\timestampFormat%
3725 #1~\timestampTxt}%
3726 }~\timestampSeparator}%
3727 }
3728 \newcommand{\innerAuthorFormat}{\footnotesize}
3729 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3730 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3731 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3732 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3733 \newcommand{\editorialAuthorFormat}{\textsc}
3734 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3735 \newcommand{\xepersian@shortarticleTitle}[1]{{\shortarticleTitleFormat #1}}
3736 \newcommand{\shortarticleSubtitleFormat}{\Large}
3737 \newcommand{\xepersian@shortarticleSubtitle}[1]{{\shortarticleSubtitleFormat #1}}
3738 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3739 \newcommand{\xepersian@shortarticleItemTitle}[1]{{\shortarticleItemTitleFormat #1}}
3740 \renewcommand{\maketitle}{\begin{titlepage}%
3741 \let\footnotesize\small
3742 \let\footnoterule\relax
3743 \let \footnote \thanks
3744 \null\vfil
3745 \vskip 60\p@
3746 \begin{center}%
3747 {\LARGE \@title \par}%
3748 \vskip 1em%
3749 {\LARGE «\xepersian@edition» \par}%
3750 \vskip 3em%
3751 {\large
3752 \lineskip .75em%
3753 \begin{tabular}[t]{c}%
3754 \@author
3755 \end{tabular}\par}%
3756 \vskip 1.5em%
3757 {\large \@date \par}%
3758 \end{center}\par
3759 \@thanks
3760 \vfil\null
3761 \end{titlepage}%
3762 \setcounter{footnote}{0}%

```



```

3763 \global\let\thanks\relax
3764 \global\let\maketitle\relax
3765 \global\let\@thanks\@empty
3766 \global\let\@author\@empty
3767 \global\let\@date\@empty
3768 \global\let\@title\@empty
3769 \global\let\title\relax
3770 \global\let\author\relax
3771 \global\let\date\relax
3772 \global\let\and\relax
3773 }
3774 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3775 \newsavebox{\xepersian@fmbox}
3776 \newenvironment{xepersian@fmpage}[1]
3777 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3778 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3779 \newcommand{\image}[2]{
3780 \vspace{5pt}
3781 \setlength{\fboxsep}{1pt}
3782 \addtolength{\xepersian@imgsize}{\columnwidth}
3783 \addtolength{\xepersian@imgsize}{-1\columnsep}
3784 \ifxetex
3785 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3786 \addtolength{\xepersian@pageneed}{50pt}
3787 \ClassWarning{xepersian-magazine}{%
3788 Image #1 needs: \the\xepersian@pageneed \space %
3789 and there is left: \the\page@free\space%
3790 }
3791 \ifdim \xepersian@pageneed < \page@free
3792
3793 {\centering\fbox{%
3794 \includegraphics[width = \xepersian@imgsize,
3795 height = \xepersian@imgsize,
3796 keepaspectratio ]{#1}}}
3797 \xepersian@pictureCaption{#2}
3798
3799 \vspace{5pt}
3800 \else
3801 \ClassWarning{Image #1 needs more space!%
3802 It was not inserted!}
3803 \fi
3804 \fi
3805 }
3806 \textblockorigin{1cm}{1cm}
3807 \newdimen\xepersian@dx
3808 \newdimen\xepersian@dy
3809 \newcount\xepersian@cx
3810 \newcount\xepersian@cy
3811 \newcommand{\grid}[3][]{
3812 \xepersian@dx=\textwidth%

```



```

3813 \xepersian@dy=\textheight%
3814 \xepersian@cx=#3% %columns
3815 \xepersian@cy=#2% %rows
3816
3817 \count1=#3%
3818 \advance\count1 by 1
3819
3820 \count2=#2%
3821 \advance\count2 by 1
3822
3823 \divide\xepersian@dx by #3
3824 \divide\xepersian@dy by #2
3825
3826 \setlength{\TPHorizModule}{\xepersian@dx}
3827 \setlength{\TPVertModule}{\xepersian@dy}
3828
3829 \ifthenelse{\equal{#1}{show}}{
3830 \multido{\xepersian@nrow=0+1}{\count2}{
3831 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
3832 \rule[0pt]{\textwidth}{.1pt}
3833 \end{textblock}
3834 }
3835
3836 \multido{\xepersian@ncol=0+1}{\count1}{
3837 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
3838 \rule[0pt]{.1pt}{\textheight}
3839 \end{textblock}
3840 }
3841 {}
3842 }
3843 \newcommand{\xepersianInit}{
3844 \setlength{\headheight}{14pt}
3845 \renewcommand{\headrulewidth}{0.4pt}
3846
3847 \pagestyle{fancy}
3848
3849 \setlength{\columnseprule}{\columnlines}
3850 \setlength{\fboxrule}{0.1 pt}
3851
3852 }
3853
3854 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
3855 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
3856 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
3857 \newcommand{\logo}[0]{
3858 %% Heading %%
3859 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
3860
3861 \vspace*{-3pt}
3862

```





```

3863 {\Large\bfseries \@customlogo}
3864 \hrulefill
3865 \hspace{10pt}\xepersian@headDateTime
3866
3867 }
3868 \newcommand{\minilogo}[0]{
3869 {\large\bfseries \@customminilogo}
3870
3871 \vspace*{5pt}
3872 }
3873 \newcommand{\mylogo}[1]{
3874 {\beginR#1\endR}
3875
3876 \noindent
3877 \xepersian@editionLogo\hspace{5pt}
3878 \hrulefill
3879 \hspace{5pt}\xepersian@headDateTime
3880 }
3881 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
3882 \newenvironment{frontpage}[0]
3883 {
3884 \setboolean{xepersian@insidefrontpage}{true}
3885 \thispagestyle{empty}
3886 \logo
3887
3888 }%
3889 {
3890 \thispagestyle{empty}
3891 \clearpage
3892 \newpage
3893 \fancyhead{}
3894 \fancyfoot{}
3895 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
3896 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
3897 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
3898 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
3899 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
3900 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
3901 \renewcommand{\headrulewidth}{0.4pt}
3902 \setboolean{xepersian@insidefrontpage}{false}
3903
3904 }
3905 \newcommand{\firstarticle}[3]
3906 {
3907 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3908 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3909 \begin{textblock}{24}(22,5)
3910 }
3911 {
3912 \begin{textblock}{28}(22,5)

```



```

3913 }
3914 \vspace{-7pt}
3915 \xepersian@firstTitle{#1}
3916 \end{textblock}
3917 \begin{textblock}{29}(22,10)
3918 \vspace{5pt plus 2pt minus 2pt}
3919
3920 \xepersian@firstText{\timestamp{#3}~#2}
3921
3922 \end{textblock}
3923
3924 \begin{textblock}{50}(0,15)
3925 \rule{50\TPHorizModule}{.3pt}
3926 \end{textblock}
3927 }{%else
3928 \ClassError{xepersian-magazine}{%
3929 \protect\firstarticle\space in a wrong place.\MessageBreak
3930 \protect\firstarticle\space may only appear inside frontpage environment.
3931 }{%
3932 \protect\firstarticle\space may only appear inside frontpage environment.
3933 }%
3934 }
3935 }
3936 \newcommand{\secondarticle}[5]
3937 {
3938 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3939 \begin{textblock}{33}(2,16)
3940 \xepersian@pages{#4}
3941 \vspace{-5pt}
3942 \xepersian@secondTitle{#1}
3943
3944 \vspace*{5pt}
3945
3946 \xepersian@secondSubtitle{#2}
3947
3948 \vspace*{-7pt}
3949
3950 \xepersian@secondText{\timestamp{#5}~#3}
3951
3952 \end{textblock}
3953
3954 \begin{textblock}{33}(2,25)
3955 \vspace{5pt plus 2pt minus 2pt}
3956
3957 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
3958 \end{textblock}
3959 }{%else
3960 \ClassError{xepersian-magazine}{%
3961 \protect\secondarticle\space in a wrong place.\MessageBreak
3962 \protect\secondarticle\space may only appear inside frontpage environment.

```



```

3963 }{%
3964 \protect\secondarticle\space may only appear inside frontpage environment.
3965 }%
3966 }
3967 }
3968 \newcommand{\thirdarticle}[6]
3969 {
3970 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3971 \begin{textblock}{32}(2,26)
3972 \xepersian@pages{#5}
3973 \vspace{-5pt}
3974 \setlength{\fboxsep}{1pt}
3975 \xepersian@thirdTitle{#1}
3976
3977 \vspace*{5pt}
3978
3979 \xepersian@thirdSubtitle{#2}
3980
3981 \vspace*{5pt}
3982
3983 {\noindent\ignorespaces %
3984 \ifthenelse{\equal{#4}{}}{}
3985
3986 \xepersian@thirdText{\timestamp{#6}~#3}
3987
3988 }
3989
3990 \vspace*{5pt}
3991
3992 \end{textblock}
3993 }{%else
3994 \ClassError{xepersian-magazine}{%
3995 \protect\thirdarticle\space in a wrong place.\MessageBreak
3996 \protect\thirdarticle\space may only appear inside frontpage environment.
3997 }{%
3998 \protect\thirdarticle\space may only appear inside frontpage environment.
3999 }%
4000 }
4001 }
4002 \newcommand{\firstimage}[2]
4003 {
4004 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4005 \begin{textblock}{18}(2,5)
4006 \setlength{\fboxsep}{1pt}
4007 \ifxetex % only in PDF
4008 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4009 \fi
4010
4011 \xepersian@pictureCaption{#2}
4012 \end{textblock}%

```



```

4013 }
4014 {\ClassError{xepersian-magazine}{%
4015 \protect\firstimage\space in a wrong place.\MessageBreak
4016 \protect\firstimage\space may only appear inside frontpage environment.
4017 }{%
4018 \protect\firstimage\space may only appear inside frontpage environment.
4019 }}
4020 }%
4021 \newcommand{\weatheritem}[5]{%
4022 \ifthenelse{\boolean{xepersian@insideweather}}{
4023 \begin{minipage}{45pt}
4024 \ifxetex
4025 \includegraphics[width=40pt]{#1}
4026 \fi
4027 \end{minipage}
4028 \begin{minipage}{50pt}
4029 \weatherTempFormat
4030 #2\\
4031 \beginL#3 $\$ #4 \lr{\weatherUnits{}}\endL\\
4032 #5
4033 \end{minipage}
4034 }{%else
4035 \ClassError{xepersian-magazine}{%
4036 \protect\weatheritem\space in a wrong place.\MessageBreak
4037 \protect\weatheritem\space may only appear inside weatherblock environment.
4038 }{%
4039 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4040 weatherblock environment may only appear inside frontpage environment.
4041 }%
4042 }
4043 }
4044 \newenvironment{weatherblock}[1]
4045 {
4046 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4047 \setboolean{xepersian@insideweather}{true}
4048 \begin{textblock}{32}(2,38)
4049 \vspace*{-15pt}
4050
4051 \xepersian@weather{\beginR#1\endR}
4052
4053 \vspace*{5pt}
4054
4055 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4056 \begin{minipage}{32\TPHorizModule}
4057 \hspace{5pt}
4058
4059 }{%
4060 \ClassError{xepersian-magazine}{%
4061 weatherblock in a wrong place.\MessageBreak
4062 weatherblock may only appear inside frontpage environment.

```



```

4063 }{%
4064 weatherblock may only appear inside frontpage environment.
4065 }
4066 }
4067 }%
4068 {
4069 \end{minipage}
4070 \end{xepersian@fmpage}
4071 \end{textblock}
4072 \setboolean{xepersian@insideweather}{false}
4073 }
4074 \newenvironment{authorblock}[0]
4075 {
4076 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4077 \begin{textblock}{15}(36,35)
4078 \setlength{\fboxsep}{5pt}
4079 \begin{xepersian@fmpage}{13\TPHorizModule}
4080 \begin{minipage}{13\TPHorizModule}
4081 \centering
4082 \minilogo
4083
4084 }{%else
4085 \ClassError{xepersian-magazine}{%
4086 authorblock in a wrong place.\MessageBreak
4087 authorblock may only appear inside frontpage environment.
4088 }{%
4089 authorblock may only appear inside frontpage environment.
4090 }
4091 }
4092 }
4093 {
4094 \end{minipage}
4095 \end{xepersian@fmpage}
4096 \end{textblock}
4097 }
4098 \newenvironment{indexblock}[1]
4099 {
4100 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4101 \setboolean{xepersian@insideindex}{true}%let's in
4102 \begin{textblock}{15}(36,16)
4103 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4104 \xepersian@indexFrameTitle{#1}
4105
4106 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4107 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4108 \begin{minipage}{\xepersian@indexwidth}
4109 \vspace*{10pt}
4110 }{%else
4111 \ClassError{xepersian-magazine}{%
4112 indexblock in a wrong place.\MessageBreak

```



```

4113 indexblock may only appear inside frontpage environment.
4114 }{%
4115 indexblock may only appear inside frontpage environment.
4116 }
4117 }
4118 }%
4119 {
4120 \end{minipage}
4121 \end{xepersian@fmpage}
4122 \end{textblock}
4123 \setboolean{xepersian@insideindex}{false}%let's out
4124 }
4125 \newcommand{\indexitem}[2]
4126 {
4127 \ifthenelse{\boolean{xepersian@insideindex}}{
4128 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4129
4130 \vspace{0.5cm}
4131
4132 \noindent\ignorespaces\indexEntrySeparator{
4133 }{%else
4134 \ClassError{xepersian-magazine}{%
4135 \protect\indexitem\space in a wrong place.\MessageBreak
4136 \protect\indexitem\space may only appear inside indexblock environment.
4137 }{%
4138 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4139 indexblock environment may only appear inside frontpage environment.
4140 }%
4141 }
4142 }
4143 \newcommand{\xepersian@inexpandedtitle}[1]{
4144 \begin{minipage}{.95\textwidth}
4145 \begin{center}
4146 \noindent\Large\textbf{\beginR#1\endR}
4147 \end{center}
4148 \end{minipage}
4149 }
4150 \newcommand{\expandedtitle}[2]{
4151 \end{multicols}
4152
4153 \begin{center}
4154 \setlength{\fboxsep}{5pt}
4155 \setlength{\shadowsize}{2pt}
4156 \ifthenelse{\equal{#1}{shadowbox}}{%
4157 \shadowbox{%
4158 \xepersian@inexpandedtitle{#2}%
4159 }%
4160 }{}
4161 \ifthenelse{\equal{#1}{doublebox}}{%
4162 \doublebox{%

```



```

4163 \xepersian@inexpandedtitle{#2}%
4164 }%
4165 }{}
4166 \ifthenelse{\equal{#1}{ovalbox}}{%
4167 \ovalbox{%
4168 \xepersian@inexpandedtitle{#2}%
4169 }%
4170 }{}
4171 \ifthenelse{\equal{#1}{ovalbox}}{%
4172 \Ovalbox{%
4173 \xepersian@inexpandedtitle{#2}%
4174 }%
4175 }{}
4176 \ifthenelse{\equal{#1}{lines}}{
4177 \hrule
4178 \vspace*{8pt}
4179 \begin{center}
4180 \noindent\Large\textbf{#2}
4181 \end{center}
4182 \vspace*{8pt}
4183 \hrule
4184 }{}
4185 \end{center}
4186
4187 \begin{multicols}{\xepersian@ncolumns{}}
4188 \ifnum \xepersian@ncolumns > \minraggedcols
4189 \raggedFormat
4190 \fi
4191 }
4192 \newcommand{\xepersian@incolumntitle}[2]{
4193 \begin{minipage}{#1}
4194 \begin{center}
4195 \noindent\normalsize\textbf{#2}
4196 \end{center}
4197 \end{minipage}
4198 }
4199
4200 \newcommand{\columnntitle}[2]{
4201 \vspace*{5pt}
4202 \begin{center}
4203 \setlength{\fboxsep}{5pt}
4204 \setlength{\shadowsize}{2pt}
4205 \addtolength{\xepersian@coltitsize}{\columnwidth}
4206 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4207 \addtolength{\xepersian@coltitsize}{-5pt}
4208 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4209 \ifthenelse{\equal{#1}{shadowbox}}{%
4210 \shadowbox{%
4211 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4212 }%

```



```

4213 }{}
4214 \ifthenelse{\equal{#1}{doublebox}}{%
4215 \doublebox{%
4216 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4217 }%
4218 }{}
4219 \ifthenelse{\equal{#1}{ovalbox}}{%
4220 \ovalbox{%
4221 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4222 }%
4223 }{}
4224 \ifthenelse{\equal{#1}{ovalbox}}{%
4225 \ovalbox{%
4226 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4227 }%
4228 }{}
4229 \ifthenelse{\equal{#1}{lines}}{
4230 \hrule
4231 \vspace*{5pt}
4232 \begin{center}
4233 \noindent\normalsize\textbf{#2}
4234 \end{center}
4235 \vspace*{5pt}
4236 \hrule
4237 }{}
4238 \end{center}
4239 }
4240 \renewcommand{\date}{%
4241 \longdate{\today}%
4242 }
4243 \newcommand{\authorandplace}[2]{%
4244 \rightline{%
4245 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4246 }%
4247 \par %
4248 }
4249 \newcommand{\newsection}[1]{
4250 \renewcommand{\xepersian@section}{#1}
4251 }
4252 \newenvironment{article}[5]
4253 {
4254 \xepersian@say{Adding a new piece of article}
4255 \renewcommand{\xepersian@ncolumns}{#1}
4256 \begin{multicols}{#1}[
4257 \xepersian@pages{#4}
4258 \xepersian@innerTitle{#2}%
4259 \xepersian@innerSubtitle{#3}%
4260 ] [4cm]%
4261 \label{#5}
4262 \ifnum #1 > \minraggedcols

```





```

4263 \raggedFormat
4264 \fi
4265 }
4266 {\innerTextFinalMark{}
4267 \end{multicols}
4268 }
4269 \newcommand{\articlesep}{%
4270 \setlength{\xepersian@pageneed}{16000pt}
4271 \setlength{\xepersian@pageleft}{\pagegoal}
4272 \addtolength{\xepersian@pageleft}{-\pagetotal}
4273
4274 \xepersian@say{How much left \the\xepersian@pageleft}
4275
4276 \ifdim \xepersian@pageneed < \xepersian@pageleft
4277 \xepersian@say{Not enough space}
4278 \else
4279 \xepersian@say{Adding sep line between articles}
4280 \vspace*{10pt plus 10pt minus 5pt}
4281 \hrule
4282 \vspace*{10pt plus 5pt minus 5pt}
4283 \fi
4284
4285 }
4286 \newcommand{\xepersian@editorialTit}[2]{
4287 \setlength{\arrayrulewidth}{.1pt}
4288 \begin{center}
4289 \begin{tabular}{c}
4290 \noindent
4291 \xepersian@editorialTitle{#1}
4292 \vspace{2pt plus 1pt minus 1pt}
4293 \\
4294 \hline
4295 \vspace{2pt plus 1pt minus 1pt}
4296 \\
4297 \editorialAuthorFormat{#2}
4298 \end{tabular}
4299 \end{center}
4300 }
4301 \newenvironment{editorial}[4]
4302 {
4303 \xepersian@say{Adding a new editorial}
4304 \begin{multicols}{#1}[%
4305 \xepersian@editorialTit{#2}{#3}%
4306 ] [4cm]
4307 \label{#4}
4308 \ifnum #1 > \minraggedcols
4309 \raggedFormat
4310 \fi
4311 }
4312 {

```



```

4313 \end{multicols}
4314 }
4315 \newcommand{\xepersian@shortarticleTit}[2]{
4316 \begin{center}
4317 \vbox{%
4318 \noindent
4319 \xepersian@shortarticleTitle{#1}
4320 \vspace{4pt plus 2pt minus 2pt}
4321 \hrule
4322 \vspace{4pt plus 2pt minus 2pt}
4323 \xepersian@shortarticleSubtitle{#2}
4324 }
4325 \end{center}
4326 }
4327 \newenvironment{shortarticle}[4]
4328 {
4329 \xepersian@say{Adding a short article block}
4330 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4331 \label{#4}
4332 \par %
4333 \ifnum #1 > \minraggedcols
4334 \raggedFormat
4335 \fi
4336 }
4337 {
4338 \end{multicols}
4339 }
4340 \newcommand{\shortarticleitem}[2]{
4341 \goodbreak
4342 \vspace{5pt plus 3pt minus 3pt}
4343 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4344 \vspace{5pt plus 3pt minus 3pt}
4345 {\noindent #2}\\
4346 }

```

## 7.57 xepersian-mathsdigitspec.sty

```

4347 \NeedsTeXFormat{LaTeX2e}
4348 \ProvidesPackage{xepersian-mathsdigitspec}
4349 [2016/05/03 v1.1.2 Unicode Persian maths digits in XeLaTeX]
4350 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4351 \let\newfam\new@mathgroup
4352 \def\select@group#1#2#3#4{%
4353 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4354 {%
4355 \ifmmode
4356 \ifnum\c@mv@ \math@version\endcsname<\@cclvi
4357 \begingroup
4358 \escapechar\m@ne
4359 \getanddefine@fonts{\c@mv@ \math@version\endcsname}#3%

```



```

4360 \globaldefs\@ne \math@fonts
4361 \endgroup
4362 \init@restore@version
4363 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4364         {\number\csname c@mv@\math@version\endcsname}}}%
4365 \global\advance\csname c@mv@\math@version\endcsname\@ne
4366 \else
4367 \let#1\relax
4368 \@latex@error{Too many math alphabets used in
4369               version \math@version}%
4370 \@eha
4371 \fi
4372 \else \expandafter\@non@alpherr\fi
4373 #1{#4}%
4374 }%
4375 }
4376 \def\document@select@group#1#2#3#4{%
4377 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4378 {%
4379 \ifmmode
4380 \ifnum\csname c@mv@\math@version\endcsname<\@ccclvi
4381 \begingroup
4382 \escapechar\m@ne
4383 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4384 \globaldefs\@ne \math@fonts
4385 \endgroup
4386 \expandafter\extract@alph@from@version
4387 \csname mv@\math@version\expandafter\endcsname
4388 \expandafter{\number\csname
4389               c@mv@\math@version\endcsname}%
4390 #1%
4391 \global\advance\csname c@mv@\math@version\endcsname\@ne
4392 \else
4393 \let#1\relax
4394 \@latex@error{Too many math alphabets used
4395               in version \math@version}%
4396 \@eha
4397 \fi
4398 \else \expandafter\@non@alpherr\fi
4399 #1{#4}%
4400 }%
4401 }
4402 \ExplSyntaxOn
4403 \bool_set_false:N \g__fontspec_math_bool
4404 \tl_map_inline:nn
4405 {
4406 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4407 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4408 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4409 \version@list\version@elt\alpha@list\alpha@elt

```



```

4410 \restore@mathversion\init@restore@version\dorestore@version\process@table
4411 \new@mathversion\DeclareSymbolFont\group@list\group@elt
4412 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4413 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4414 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4415 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4416 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4417 \set@@mathdelimiter\DeclareMathRadical\mathchar@type
4418 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4419 }
4420 {
4421 \tl_remove_once:Nn \@preamblecmds {\do#1}
4422 }
4423 \ExplSyntaxOff
4424 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitspec}{#1}}
4425 \newcommand\SetMathCode[4]{%
4426 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4427 \newcommand\SetMathCharDef[4]{%
4428 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4429 \ExplSyntaxOn
4430 \cs_new_eq:NN \orig_mathbf:n \mathbf
4431 \cs_new_eq:NN \orig_mathit:n \mathit
4432 \cs_new_eq:NN \orig_mathrm:n \mathrm
4433 \cs_new_eq:NN \orig_mathsf:n \mathsf
4434 \cs_new_eq:NN \orig_mathtt:n \mathtt
4435 \NewDocumentCommand \new@mathbf { m } {
4436 \orig_mathbf:n {
4437 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4438 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4439 }
4440 #1
4441 }
4442 }
4443 \NewDocumentCommand \new@mathit { m } {
4444 \orig_mathit:n {
4445 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4446 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4447 }
4448 #1
4449 }
4450 }
4451 \NewDocumentCommand \new@mathrm { m } {
4452 \orig_mathrm:n {
4453 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4454 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4455 }
4456 #1
4457 }
4458 }
4459 \NewDocumentCommand \new@mathsf { m } {

```



```

4460 \orig_mathsf:n {
4461   \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4462     \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4463   }
4464   #1
4465 }
4466 }
4467 \NewDocumentCommand \new@mathtt{ m } {
4468   \orig_mathtt:n {
4469     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4470       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4471     }
4472     #1
4473   }
4474 }
4475 \DeclareDocumentCommand \setdigitfont { O{} m O{} }
4476 {
4477   \let\glb@currsizel\relax
4478   \fontspec_set_family:Nnn \g__xepersian_digitsfamily_family {Mapping=parsidigits,#1,#3} {#2}
4479   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4480   \DeclareSymbolFont{OPERATORS}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_family}
4481   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_family}
4482   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_family}
4483   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_family}
4484   \def\persianmathsfdigits{%
4485     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4486     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4487     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4488     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4489     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4490     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4491     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4492     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4493     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4494     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4495     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
4496   \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4497   \tl_set_eq:NN \mathbf \new@mathbf
4498   \tl_set_eq:NN \mathit \new@mathit
4499   \tl_set_eq:NN \mathrm \new@mathrm
4500 }
4501
4502
4503 \DeclareDocumentCommand \setmathsfdigitfont { O{} m O{} }
4504 {
4505   \fontspec_set_family:Nnn \g__fontspec_mathsf_tl {Mapping=parsidigits,#1,#3} {#2}
4506   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__fontspec_mathsf_tl}
4507   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4508 }

```



```

4509
4510
4511
4512 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4513 {
4514   \fontspec_set_family:Nnn \g__fontspec_mathtt_t1 {Mapping=parsidigits,#1,#3} {#2}
4515   \DeclareSymbolFont{new@mathtt@font@digits}{\g__fontspec_encoding_t1}{\g__fontspec_mathtt_t1
4516   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4517 }
4518
4519 \ExplSyntaxOff
4520 \ifx\newcommand\undefined\else
4521   \newcommand{\ZifferAn}{}
4522 \fi
4523 \mathchardef\ziffer@DotOri="013A
4524 {\ZifferAn
4525   \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4526 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4527 \def\ziffer@check#1#2{%
4528   \ifx\n1\endgroup#1\else
4529     \ifx\n2\endgroup#1\else
4530       \ifx\n3\endgroup#1\else
4531         \ifx\n4\endgroup#1\else
4532           \ifx\n5\endgroup#1\else
4533             \ifx\n6\endgroup#1\else
4534               \ifx\n7\endgroup#1\else
4535                 \ifx\n8\endgroup#1\else
4536                   \ifx\n9\endgroup#1\else
4537                     \ifx\n0\endgroup#1\else
4538                       \ifx\n\overline\endgroup#1\else
4539                         \endgroup#2%
4540                     \fi
4541                 \fi
4542             \fi
4543         \fi
4544     \fi
4545 \fi
4546 \fi
4547 \fi
4548 \fi
4549 \fi
4550 \fi}
4551 \mathcode`\.= "8000\relax
4552 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
4553 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4554 \def\PersianMathsDigits{\def\SetMathsDigits{%
4555 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4556 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4557 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4558 \def\AutoMathsDigits{\def\SetMathsDigits{%

```



```

4559 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4560 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4561 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4562 \AutoMathsDigits
4563 \everymath\expandafter{\the\everymath\SetMathsDigits}
4564 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

## 7.58 xepersian-multiplechoice.sty

```

4565 \NeedsTeXFormat{LaTeX2e}
4566 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4567           Multiple Choice Questionnaire class for Persian in XeLaTeX]
4568 \RequirePackage{pifont}
4569 \RequirePackage{fullpage}
4570 \RequirePackage{ifthen}
4571 \RequirePackage{calc}
4572 \RequirePackage{verbatim}
4573 \RequirePackage{tabularx}
4574 \def\@headerfont{\bfseries}
4575 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4576 \def\@X{X}
4577 \newcommand\X[1]{\gdef\@X{#1}}
4578 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4579 \newcolumnntype{D}{>{\pbs\centering}X}
4580 \newcolumnntype{Q}{>{\@headerfont}X}
4581
4582 \renewcommand\tabularxcolumn[1]{m{#1}}
4583 \newcommand\makeform@nocorrection{%
4584   \addtocontents{frm}{\protect\end{tabularx}}
4585   \@starttoc{frm}}
4586 \newcommand\makeform@correction{%
4587   \addtocontents{frm}{\protect\end{tabularx}}}
4588 \newcommand\makemask@nocorrection{%
4589   \addtocontents{msk}{\protect\end{tabularx}}
4590   \@starttoc{msk}}
4591 \newcommand\makemask@correction{%
4592   \addtocontents{msk}{\protect\end{tabularx}}}
4593 \newlength\questionspace
4594 \setlength\questionspace{0pt}
4595 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4596 \def\@answerstitlefont{\bfseries}
4597 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4598 \def\@answernumberfont{\bfseries}
4599 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4600 \newcounter{question}\stepcounter{question}
4601 \newcounter{@choice}
4602 \def\@initorchek{%
4603   \xdef\@choices{\the@choice}%
4604   \setcounter{@choice}{1}%
4605   \gdef\@arraydesc{|Q||}%

```



```

4606 \gdef\@headerline{%
4607 \whiledo{\not{\value{@choice}>\@choices}}{
4608 \xdef\@arraydesc{\@arraydesc D]}
4609 \def\@appendheader{\g@addto@macro\@headerline}
4610 \@appendheader{\protect\@headerfont}
4611 \edef\@the@choice{\alph{@choice}}
4612 \expandafter\@appendheader\@the@choice
4613 \stepcounter{@choice}}%
4614 \addtocontents{frm}{%
4615 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4616 \protect\hline
4617 \@headerline\protect\\\protect\hline\protect\hline}%
4618 \addtocontents{msk}{%
4619 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4620 \protect\hline
4621 \@headerline\protect\\\protect\hline\protect\hline}%
4622 \gdef\@initorcheck{%
4623 \ifthenelse{\value{@choice} = \@choices}{\{%
4624 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4625 (\the@choice\space instead of \@choices)}{\%
4626 Questions must all have the same number of proposed answers.%
4627 \MessageBreak
4628 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
4629 \newenvironment{question}[1]{%
4630 %% \begin{question}
4631 \begin{minipage}{\textwidth}
4632 \xdef\@formanswerline{\@questionheader}%
4633 \xdef\@maskanswerline{\@questionheader}%
4634 \fbox{\parbox[c]{\linewidth}{#1}}
4635 \vspace\questionspace\par
4636 {\@answerstitlefont\@answerstitle}
4637 \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
4638 %% \end{question}
4639 \end{list}
4640 \@initorcheck%
4641 \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
4642 \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
4643 \end{minipage}
4644 \stepcounter{question}}
4645 \def\@truesymbol{\ding{52}~}
4646 \def\@falsesymbol{\ding{56}~}
4647 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4648 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4649 \def\@true@nocorrection{\item}
4650 \def\@false@nocorrection{\item}
4651 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4652 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4653 \newcommand\true{%
4654 \xdef\@formanswerline{\@formanswerline&}%
4655 \xdef\@maskanswerline{\@maskanswerline&\@X}%

```





```

4656 \@true}%
4657 \newcommand\false{%
4658 \xdef\@formanswerline{\@formanswerline&}%
4659 \xdef\@maskanswerline{\@maskanswerline&}%
4660 \@false}%
4661 \def\@correctionstyle{\itshape}
4662 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4663 \newenvironment{correction}{\@correctionstyle}{}
4664 \def\@questionheader{\thequestion}
4665 \answerstyle{:}
4666 \DeclareOption{nocorrection}{%
4667 \let\@true\@true@nocorrection
4668 \let\@false\@false@nocorrection
4669 \let\correction\comment
4670 \let\endcorrection\endcomment
4671 \def\makeform{\makeform@nocorrection}
4672 \def\makemask{\makemask@nocorrection}}
4673 \DeclareOption{correction}{%
4674 \let\@true\@true@correction
4675 \let\@false\@false@correction
4676 \let\correction\@correction
4677 \let\endcorrection\end@correction
4678 \def\makeform{\makeform@correction}
4679 \def\makemask{\makemask@correction}}
4680 \ExecuteOptions{nocorrection}
4681 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4682 \def\@questiontitlefont{\bfseries}
4683 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4684 \newlength\questiontitlespace
4685 \setlength\questiontitlespace{5pt}
4686 \newlength\questionsepspace
4687 \setlength\questionsepspace{20pt}
4688 \gdef\@questionsepspace{0pt}
4689 \let\old@question\question
4690 \let\old@endquestion\endquestion
4691 \renewenvironment{question}[1]{%
4692 %% \begin{question}
4693 \vspace\@questionsepspace
4694 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4695 \nopagebreak\vspace\questiontitlespace\par
4696 \old@question{#1}}{%
4697 %% \end{question}
4698 \old@endquestion
4699 \gdef\@questionsepspace{\questionsepspace}}
4700 \questiontitle{\thequestion:}
4701 \ProcessOptions

```

## 7.59 xepersian-persiancal.sty

```

4702 \NeedsTeXFormat{LaTeX2e}

```



```

4703 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4704
4705 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4706 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4707 \newcount\XePersian@latini \newcount\XePersian@persiani
4708 \newcount\XePersian@latinii \newcount\XePersian@persianii
4709 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4710 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4711 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4712 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4713 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4714 \newcount\XePersian@latinix \newcount\XePersian@persianix
4715 \newcount\XePersian@latinx \newcount\XePersian@persianx
4716 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4717 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4718 \newcount\XePersian@persianxiii
4719
4720
4721 \newcount\XePersian@temp
4722 \newcount\XePersian@temptwo
4723 \newcount\XePersian@tempthree
4724 \newcount\XePersian@yModHundred
4725 \newcount\XePersian@thirtytwo
4726 \newcount\XePersian@dn
4727 \newcount\XePersian@sn
4728 \newcount\XePersian@mminusone
4729
4730
4731 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4732 \XePersian@temp=\XePersian@y
4733 \divide\XePersian@temp by 100\relax
4734 \multiply\XePersian@temp by 100\relax
4735 \XePersian@yModHundred=\XePersian@y
4736 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4737 \ifodd\XePersian@yModHundred
4738 \XePersian@leapfalse
4739 \else
4740 \XePersian@temp=\XePersian@yModHundred
4741 \divide\XePersian@temp by 2\relax
4742 \ifodd\XePersian@temp\XePersian@leapfalse
4743 \else
4744 \ifnum\XePersian@yModHundred=0%
4745 \XePersian@temp=\XePersian@y
4746 \divide\XePersian@temp by 400\relax
4747 \multiply\XePersian@temp by 400\relax
4748 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4749 \else\XePersian@leaptrue
4750 \fi
4751 \fi
4752 \fi

```



```

4753 \XePersian@latini=31\relax
4754 \ifXePersian@leap
4755   \XePersian@latinii = 29\relax
4756 \else
4757   \XePersian@latinii = 28\relax
4758 \fi
4759 \XePersian@latiniii = 31\relax
4760 \XePersian@latiniv = 30\relax
4761 \XePersian@latin v = 31\relax
4762 \XePersian@latinvi = 30\relax
4763 \XePersian@latinvii = 31\relax
4764 \XePersian@latinviii = 31\relax
4765 \XePersian@latinix = 30\relax
4766 \XePersian@latin x = 31\relax
4767 \XePersian@latinxi = 30\relax
4768 \XePersian@latinxii = 31\relax
4769 \XePersian@thirtytwo=32\relax
4770 \XePersian@temp=\XePersian@y
4771 \advance\XePersian@temp by -17\relax
4772 \XePersian@temptwo=\XePersian@temp
4773 \divide\XePersian@temptwo by 33\relax
4774 \multiply\XePersian@temptwo by 33\relax
4775 \advance\XePersian@temp by -\XePersian@temptwo
4776 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4777 \else
4778   \XePersian@temptwo=\XePersian@temp
4779   \divide\XePersian@temptwo by 4\relax
4780   \multiply\XePersian@temptwo by 4\relax
4781   \advance\XePersian@temp by -\XePersian@temptwo
4782   \ifnum\XePersian@temp=z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4783 \fi
4784 \XePersian@tempthree=\XePersian@y % Number of Leap years
4785 \advance\XePersian@tempthree by -1
4786 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4787 \divide\XePersian@temp by 4\relax
4788 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4789 \divide\XePersian@temptwo by 100\relax
4790 \advance\XePersian@temp by -\XePersian@temptwo
4791 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4792 \divide\XePersian@temptwo by 400\relax
4793 \advance\XePersian@temp by \XePersian@temptwo
4794 \advance\XePersian@tempthree by -611 % Number of Kabise years
4795 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4796 \divide\XePersian@temptwo by 33\relax
4797 \multiply\XePersian@temptwo by 8\relax
4798 \advance\XePersian@temp by -\XePersian@temptwo
4799 \XePersian@temptwo=\XePersian@tempthree %
4800 \divide\XePersian@temptwo by 33\relax
4801 \multiply\XePersian@temptwo by 33\relax
4802 \advance\XePersian@tempthree by -\XePersian@temptwo

```



```

4803 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T
4804 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4805 \advance\XePersian@temp by -\XePersian@tempthree
4806 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4807 \XePersian@persiani=31
4808 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4809 \XePersian@persianii = 30\relax
4810 \ifXePersian@kabiseh
4811 \XePersian@persianiii = 30\relax
4812 \else
4813 \XePersian@persianiii = 29\relax
4814 \fi
4815 \XePersian@persianiv = 31\relax
4816 \XePersian@persianv = 31\relax
4817 \XePersian@persianvi = 31\relax
4818 \XePersian@persianvii = 31\relax
4819 \XePersian@persianviii= 31\relax
4820 \XePersian@persianix = 31\relax
4821 \XePersian@persianx = 30\relax
4822 \XePersian@persianxi = 30\relax
4823 \XePersian@persianxii = 30\relax
4824 \XePersian@persianxiii= 30\relax
4825 \XePersian@dn= 0\relax
4826 \XePersian@sn= 0\relax
4827 \XePersian@mminusone=\XePersian@m
4828 \advance\XePersian@mminusone by -1\relax
4829 \XePersian@i=0\relax
4830 \ifnum\XePersian@i < \XePersian@mminusone
4831 \loop
4832 \advance \XePersian@i by 1\relax
4833 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4834 \ifnum\XePersian@i<\XePersian@mminusone \repeat
4835 \fi
4836 \advance \XePersian@dn by \XePersian@d
4837 \XePersian@i=1\relax
4838 \XePersian@sn = \XePersian@persiani
4839 \ifnum \XePersian@sn<\XePersian@dn
4840 \loop
4841 \advance \XePersian@i by 1\relax
4842 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
4843 \ifnum \XePersian@sn<\XePersian@dn \repeat
4844 \fi
4845 \ifnum \XePersian@i < 4
4846 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
4847 \advance \XePersian@y by -622\relax
4848 \else
4849 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
4850 \advance \XePersian@y by -621\relax
4851 \fi
4852 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%

```



```

4853 \endcsname
4854 \ifnum\XePersian@i = 1
4855   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
4856 \else
4857   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
4858 \fi
4859 \newcommand*{\persiantoday}{\%
4860 \number\XePersian@d\space%
4861 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
4862 }
4863 \let\persianyear\XePersian@y
4864 \let\persianmonth\XePersian@m
4865 \let\persianday\XePersian@d
4866 \def\XePersian@persian@month#1{\ifcase#1\or or\
4867 or\
4868 or\    or\
4869 or\
4870 or\    or\
4871 or\    or\
4872 or\    or\
4873 \fi\

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## 8 Change History

v13.1		
General: Added implementation of the package. . . . .	0	
v13.2		
General: Replaced <code>\reflect</code> with <code>\bidi@reflect@box</code> . . . . .	117	
v13.5		
General: Fixed the extra space after Persian decimal separator. . . .	148	
v13.6		
General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character. . . . .	87	

