



The XePersian *Package*

Documentation for version 16.5

to my Master, Ferdowsi The Great

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

<https://github.com/persian-tex/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 $\LaTeX_{2\epsilon}$, using Xe \TeX engine

Documentation for version 16.5

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May 3, 2016

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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--2016 Vafa Khalighi
*
* v16.5, 2016/05/03
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/persian-tex/xepersian/issues
```



*
* Support: persian-tex@tug.org

2 Basics

2.1 Loading The Package

You can load the package in the ordinary way;

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

Where options of the package are explained later in [subsection 2.4](#).
When loading the package, it is important to know that:

- ❶ `xepersian` should be the last package that you load, because otherwise you are certainly going to overwrite `bidi` and XePersian package's definitions and consequently, you will not get the expected output.
- ❷ In fact, in addition to `bidi`, XePersian also makes sure that some specific packages are loaded before `bidi` and XePersian; these are those packages that `bidi` and XePersian modifies them for bidirectional and Persian/English 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_EX but lion does not symbolizes XePersian. **Simorgh**¹ (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.

¹**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 `ī` is grouped under `l`) for sorting Persian alphabets.

2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which `ī` 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>

Continued on next page



Command in T_EX or L^AT_EX 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>\alsoname</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>	مرجع

Continued on next page



Command in T_EX or L^AT_EX 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>	\پشکن
<code>\bullet</code>	\گلوله
<code>@cc1v</code>	\دوپن @پنج
<code>@cc1vi</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

Continued on next page



Command in T _E X or L ^A T _E 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>\dblftnlocatcode</code>	\کد مکان غیر همانطور
<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_EX or L^AT_EX Equivalent Persian Command

<code>\DeclareOption</code>	<code>\اعلان‌گزینه</code>
<code>\DeclareRobustCommand</code>	<code>\اعلان‌فرمان‌قوی</code>
<code>\DeclareSymbolFont</code>	<code>\اعلان‌قلم‌علائم</code>
<code>\deadcycles</code>	<code>\دور‌بسته</code>
<code>\def</code>	<code>\تر</code>
<code>\define@key</code>	<code>\تعریف@کلید</code>
<code>\definecolor</code>	<code>\تعریف‌رنگ</code>
<code>\deg</code>	<code>\درجه</code>
<code>\delcode</code>	<code>\کد‌جداساز</code>
<code>\delimiter</code>	<code>\جداساز</code>
<code>\delimiterfactor</code>	<code>\ضریب‌جداساز</code>
<code>\depth</code>	<code>\گودی</code>
<code>\diamondsuit</code>	<code>\خشت</code>
<code>\dim</code>	<code>\ابعاد</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>\تعریف‌بعد</code>
<code>\discretionary</code>	<code>\تیره‌گذاری</code>
<code>\displaybreak</code>	<code>\شکست‌نمایش</code>
<code>\displayindent</code>	<code>\تورفتگی‌نمایش</code>
<code>\displaystyle</code>	<code>\سبک‌نمایش</code>
<code>\displaywidth</code>	<code>\عرض‌نمایش</code>
<code>\divide</code>	<code>\تقسیم</code>
<code>\documentclass</code>	<code>\طبقه‌نوشتار</code>
<code>\do</code>	<code>\کن</code>
<code>\dospecials</code>	<code>\تعویض‌کدها</code>
<code>\dot</code>	<code>\نقطه</code>
<code>\doteq</code>	<code>\نقطه‌مساوی</code>
<code>\dotfill</code>	<code>\پر‌نقطه‌ا</code>
<code>\dots</code>	<code>\نقاط</code>
<code>\doublebox</code>	<code>\کادر‌دو‌لا</code>
<code>\doublerulesepcolor</code>	<code>\رنگ‌فاصله‌دو‌خط‌جدول</code>
<code>\doublerulesep</code>	<code>\فاصله‌بین‌دو‌خط</code>
<code>\downarrow</code>	<code>\فلش‌پایین</code>
<code>\dp</code>	<code>\عمق</code>
<code>\dump</code>	<code>\تخلیه</code>
<code>\edef</code>	<code>\ترگ</code>
<code>\egroup</code>	<code>\پا‌گروه</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\eject</code>	\انتهای فاصله
<code>\else</code>	\اگر نه
<code>\em</code>	\تاکید
<code>\emergencystretch</code>	\کشش لا جرم
<code>\emph</code>	\موکد
<code>\@empty</code>	\@پوچ
<code>\empty</code>	\پوچ
<code>\emptyset</code>	\مجموعه پوچ
<code>\end</code>	\پایان
<code>\endL</code>	\پایان چپ
<code>\endR</code>	\پایان راست
<code>\endcsname</code>	\پایان نام فرمان
<code>\endfirsthead</code>	\پایان اولین سر
<code>\endfoot</code>	\پایان پا
<code>\endgraf</code>	\ته بند
<code>\endgroup</code>	\پایان گروه
<code>\endhead</code>	\پایان سر
<code>\endinput</code>	\پایان ورودی
<code>\endlastfoot</code>	\پایان آخرین پا
<code>\enlargethispage</code>	\گسترش این صفحه
<code>\endline</code>	\ته سطر
<code>\endlinechar</code>	\نویسه ته سطر
<code>\enspace</code>	\ان دوری
<code>\enskip</code>	\ان فاصله
<code>\eqcommand</code>	\فرمان جانشین
<code>\eqenvironment</code>	\محیط جانشین
<code>\eqref</code>	\ارجاع فر
<code>\errhelp</code>	\کمک خطا
<code>\errmessage</code>	\پیام خطا
<code>\errorcontextlines</code>	\سطر متن خطا
<code>\errorstopmode</code>	\پردازش توقف خطا
<code>\escapechar</code>	\نویسه ویژه
<code>\euro</code>	\یورو
<code>\evensidemargin</code>	\حاشیه زوج
<code>\everycr</code>	\هرسخ
<code>\everydisplay</code>	\هرنمایش
<code>\everyhbox</code>	\هرکادرا
<code>\everyjob</code>	\هرکار
<code>\everymath</code>	\هرریاضی
<code>\everypar</code>	\هربند

Continued on next page



Command in T_EX or L^AT_EX 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>\ارگ</code>
<code>\figurename</code>	<code>\عنوان شکل</code>
<code>\filbreak</code>	<code>\پرشکن</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>\رمزبندی قلم</code>
<code>\fontfamily</code>	<code>\فامیل قلم</code>
<code>\fontname</code>	<code>\نام قلم</code>
<code>\fontseries</code>	<code>\شماره قلم</code>
<code>\fontshape</code>	<code>\شکل قلم</code>
<code>\fontsize</code>	<code>\اندازه قلم</code>
<code>\footheight</code>	<code>\بلندی 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>

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\hfill</code>	<code>\</code> پررا
<code>\hfilneg</code>	<code>\</code> رفع پرا
<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> خط پر
<code>\hoffset</code>	<code>\</code> حاشیه ا
<code>\holdinginserts</code>	<code>\</code> حفظ درج
<code>\hrboxsep</code>	<code>\</code> فاصله اگر د
<code>\hrule</code>	<code>\</code> خط ا
<code>\hrulefill</code>	<code>\</code> پرخط ا
<code>\hsize</code>	<code>\</code> طول سطر
<code>\hskip</code>	<code>\</code> فاصله ا
<code>\hspace</code>	<code>\</code> فضای ا
<code>\hss</code>	<code>\</code> هر دوا
<code>\ht</code>	<code>\</code> ارتفاع
<code>\huge</code>	<code>\</code> بزرگ
<code>\Huge</code>	<code>\</code> بزرگ تر
<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> تیره بندی
<code>\hyphenchar</code>	<code>\</code> نویسه تیره
<code>\hyphenpenalty</code>	<code>\</code> جریمه تیره بندی
<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@tempw</code>	<code>\</code> گر @سواقت آ
<code>\ifcase</code>	<code>\</code> گر انواع
<code>\ifcat</code>	<code>\</code> گر رده
<code>\ifdefined</code>	<code>\</code> گر تعریف شده
<code>\ifdim</code>	<code>\</code> گر بعد
<code>\ifeof</code>	<code>\</code> گر ته پرونده
<code>\iff</code>	<code>\</code> گر ر
<code>\iffalse</code>	<code>\</code> گر نادرست
<code>\IfFileExists</code>	<code>\</code> گر پرونده موجود

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\ifhbox</code>	<code>\گرکادرا</code>
<code>\ifhmode</code>	<code>\گرحالت ا</code>
<code>\ifinner</code>	<code>\گردرونی</code>
<code>\ifmmode</code>	<code>\گرحالت ریاضی</code>
<code>\ifnum</code>	<code>\گرعدد</code>
<code>\ifodd</code>	<code>\گرفرد</code>
<code>\ifthenelse</code>	<code>\گرآنگاه دیگر</code>
<code>\iftrue</code>	<code>\گردرست</code>
<code>\ifvbox</code>	<code>\گرکادرو</code>
<code>\ifvmode</code>	<code>\گرحالت و</code>
<code>\ifvoid</code>	<code>\گرتهی</code>
<code>\ifx</code>	<code>\گرتام</code>
<code>\ignorespaces</code>	<code>\فاصله خالی ران دیده بگیر</code>
<code>\immediate</code>	<code>\فوری</code>
<code>\include</code>	<code>\شامل</code>
<code>\includegraphics</code>	<code>\درج تصویر</code>
<code>\includeonly</code>	<code>\مشمولین</code>
<code>\indent</code>	<code>\تورفتگی</code>
<code>\index</code>	<code>\درنمایه</code>
<code>\indexentry</code>	<code>\استعلام</code>
<code>\indexname</code>	<code>\عنوان نمایه</code>
<code>\indexspace</code>	<code>\فاصله رهنما</code>
<code>\input</code>	<code>\ورودی</code>
<code>\InputIfFileExists</code>	<code>\ورود پرونده گرموجود</code>
<code>\inputlineno</code>	<code>\شماره سطر ورودی</code>
<code>\insert</code>	<code>\درج</code>
<code>\insertpenalties</code>	<code>\جریمه درج</code>
<code>\interfootnotelinepenalty</code>	<code>\جریمه بین سطرهای زیرنویس</code>
<code>\interdisplaylinepenalty</code>	<code>\جریمه بین سطرهای نمایش</code>
<code>\interlinepenalty</code>	<code>\جریمه بین سطرها</code>
<code>\intertext</code>	<code>\متن داخلی</code>
<code>\intertextsep</code>	<code>\فاصله شناور در متن</code>
<code>\invisible</code>	<code>\مخفی</code>
<code>\itdefault</code>	<code>\پیش فرض ای</code>
<code>\itshape</code>	<code>\شکل ایتالیک</code>
<code>\item</code>	<code>\فقره</code>
<code>\itemindent</code>	<code>\تورفتگی فقره</code>
<code>\itemsep</code>	<code>\فاصله فقره</code>
<code>\iterate</code>	<code>\تکرارکن</code>
<code>\itshape</code>	<code>\شکل ای</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\jobname</code>	نام کار
<code>\jot</code>	قلب
<code>\kern</code>	دوری
<code>\kill</code>	الگو
<code>\label</code>	برچسب
<code>\labelenumi</code>	برچسب شمارش یک
<code>\labelenumii</code>	برچسب شمارش دو
<code>\labelenumiii</code>	برچسب شمارش سه
<code>\labelenumiv</code>	برچسب شمارش چهار
<code>\labelitemi</code>	برچسب فقره یک
<code>\labelitemii</code>	برچسب فقره دو
<code>\labelitemiii</code>	برچسب فقره سه
<code>\labelitemiv</code>	برچسب فقره چهار
<code>\labelsep</code>	فاصله از برچسب
<code>\labelwidth</code>	پهنای برچسب
<code>\language</code>	زبان
<code>\large</code>	درشت
<code>\Large</code>	درشت تر
<code>\LARGE</code>	درشت درشت
<code>\lastbox</code>	آخرین کادر
<code>\lastkern</code>	آخرین دوری
<code>\lastpenalty</code>	آخرین جریمه
<code>\lastskip</code>	آخرین فاصله
<code>\LaTeX</code>	لاتک
<code>\LaTeXe</code>	لاتک ای
<code>\lccode</code>	کد کوچک
<code>\ldots</code>	نقاط خ
<code>\leaders</code>	نشانگر
<code>\leavevmode</code>	ترک و
<code>\left</code>	چپ
<code>\leftmargin</code>	حاشیه چپ
<code>\leftmargini</code>	حاشیه چپ یک
<code>\leftmarginii</code>	حاشیه چپ دو
<code>\leftmarginiii</code>	حاشیه چپ سه
<code>\leftmarginiv</code>	حاشیه چپ چهار
<code>\leftmarginv</code>	حاشیه چپ پنج
<code>\leftmarginvi</code>	حاشیه چپ شش
<code>\leftmark</code>	علامت چپ
<code>\leftpageskip</code>	کادر تا چپ
<code>\leftskip</code>	فاصله ابتدای سطر

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Command in T_EX or L^AT_EX 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>\حدفاصله سطر</code>
<code>\linespread</code>	<code>\کشش فاصله سطر</code>
<code>\linethickness</code>	<code>\ضخامت خط</code>
<code>\linewidth</code>	<code>\پهنای سطر</code>
<code>\listfigurename</code>	<code>\عنوان فهرست اشکال</code>
<code>\listfiles</code>	<code>\لیست پرونده ها</code>
<code>\listoffigures</code>	<code>\فهرست اشکال</code>
<code>\listoftables</code>	<code>\فهرست جداول</code>
<code>\listparindent</code>	<code>\تورفتگی بند لیست</code>
<code>\listtablename</code>	<code>\عنوان فهرست جداول</code>
<code>\LoadClass</code>	<code>\بارکن طبقه</code>
<code>\LoadClassWithOptions</code>	<code>\بارکن طبقه با گزینه</code>
<code>\location</code>	<code>\مکان</code>
<code>\long</code>	<code>\بلند</code>
<code>\loop</code>	<code>\حلقه</code>
<code>\looseness</code>	<code>\گسیختگی</code>
<code>\lower</code>	<code>\انتقال بیابین</code>
<code>\@makeother</code>	<code>\@دیگر</code>
<code>\@m</code>	<code>\@زار</code>
<code>\@M</code>	<code>\ده@زار</code>
<code>\@Mi</code>	<code>\ده@زاریک</code>
<code>\@Mii</code>	<code>\ده@زاردو</code>
<code>\@Miii</code>	<code>\ده@زارسه</code>
<code>\@Miv</code>	<code>\ده@زارچهار</code>
<code>\@MM</code>	<code>\ایس@زار</code>
<code>\m@ne</code>	<code>\من@ا</code>
<code>\mag</code>	<code>\بزرگ نمایی</code>
<code>\magstep</code>	<code>\گام</code>
<code>\magstephalf</code>	<code>\نیم گام</code>
<code>\mainmatter</code>	<code>\مطلب اصلی</code>
<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>

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Command in T_EX or L^AT_EX 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

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Command in T_EX or L^AT_EX 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>\@کاربرد نام</code>
<code>\@ne</code>	<code>\@یک</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبيعی</code>
<code>\narrow</code>	<code>\باریک</code>
<code>\narrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\شکلبندي موردنياز</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>\ابولی نو</code>
<code>\newbox</code>	<code>\کادر جديد</code>
<code>\newcommand</code>	<code>\فرمان نو</code>
<code>\newcount</code>	<code>\شمار جديد</code>
<code>\newcounter</code>	<code>\شمارنده جديد</code>
<code>\newdimen</code>	<code>\بعد جديد</code>
<code>\newenvironment</code>	<code>\محیط نو</code>
<code>\newfam</code>	<code>\خانواده جديد</code>
<code>\newfont</code>	<code>\قلم نو</code>
<code>\newhelp</code>	<code>\کمک جديد</code>
<code>\newif</code>	<code>\اگر جديد</code>
<code>\newinsert</code>	<code>\درج جديد</code>
<code>\newlabel</code>	<code>\برچسب جديد</code>
<code>\newlength</code>	<code>\تعريف بعد جديد</code>
<code>\newline</code>	<code>\سطر جديد</code>
<code>\newlinechar</code>	<code>\نویسه سطر جديد</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>\بنویس جديد</code>
<code>\noalign</code>	<code>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

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

Continued on next page



Command in T_EX or L^AT_EX 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>\فاصله‌بالای‌لیست‌بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال‌گزینه‌به‌کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال‌گزینه‌به‌پکیج</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>\الگوی‌قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه‌پس‌نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت‌پیش‌نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه‌پیش‌نمایش</code>
<code>\preplaysize</code>	<code>\اندازه‌پیش‌نمایش</code>
<code>\pretolerance</code>	<code>\پیش‌حد‌بدنمایی</code>
<code>\prevdepth</code>	<code>\عمق‌قبلی</code>
<code>\prevgraf</code>	<code>\بندقبلی</code>
<code>\printindex</code>	<code>\نمایش‌در‌اینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش‌گزینه‌ها</code>
<code>\protect</code>	<code>\تامین</code>
<code>\providecommand</code>	<code>\تهیه‌فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده‌سازی‌طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده‌سازی‌پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده‌سازی‌سبک</code>
<code>\pushtabs</code>	<code>\ثبات‌الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qquad</code>	<code>\کو‌کواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی‌خروج‌صفحه</code>
<code>\radical</code>	<code>\رادیکال</code>
<code>\raggedbottom</code>	<code>\پایین‌بی‌تنظیم</code>
<code>\raggedleft</code>	<code>\تنظیم‌از‌راست</code>
<code>\raggedright</code>	<code>\تنظیم‌از‌چپ</code>
<code>\raise</code>	<code>\انتقال‌ببالا</code>
<code>\raisebox</code>	<code>\بالا‌بر</code>
<code>\raisetag</code>	<code>\ترفیغ‌اتیکت</code>
<code>\rangle</code>	<code>\زاویه‌ر</code>
<code>\rceil</code>	<code>\سقف‌ر</code>
<code>\read</code>	<code>\بخوان</code>

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\ref</code>	<code>\ارجوع</code>
<code>\reflectbox</code>	<code>\کادرقرینه</code>
<code>\refname</code>	<code>\عنوانمراجع</code>
<code>\refstepcounter</code>	<code>\گامشمارندهمرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removelastskip</code>	<code>\رفعآخرینفاصله</code>
<code>\renewcommand</code>	<code>\فرمانازنو</code>
<code>\renewenvironment</code>	<code>\محیطازنو</code>
<code>\repeat</code>	<code>\ازنو</code>
<code>\RequirePackage</code>	<code>\سبکموردنیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبکموردنیازباگزینه</code>
<code>\resizebox</code>	<code>\کادرکشیده</code>
<code>\reversemarginpar</code>	<code>\درحاشیهمعکوس</code>
<code>\rfloor</code>	<code>\کفر</code>
<code>\right</code>	<code>\راست</code>
<code>\rightmargin</code>	<code>\حاشیهراست</code>
<code>\rightmark</code>	<code>\علامتراست</code>
<code>\rightpageskip</code>	<code>\کادرتاراست</code>
<code>\rightskip</code>	<code>\فاصلهانتهایسطر</code>
<code>\rmdefault</code>	<code>\رومنعادی</code>
<code>\rmfamily</code>	<code>\فامیلرومن</code>
<code>\Roman</code>	<code>\رومنبزرگ</code>
<code>\roman</code>	<code>\رومنکوچک</code>
<code>\romannumeral</code>	<code>\عددرومی</code>
<code>\rotatebox</code>	<code>\کادرچرخان</code>
<code>\rowcolor</code>	<code>\رنگردیف</code>
<code>\rule</code>	<code>\خط</code>
<code>\@secondoftwo</code>	<code>\@دومیازدو</code>
<code>\@spaces</code>	<code>\@فضاها</code>
<code>\samepage</code>	<code>\همینصفحه</code>
<code>\savebox</code>	<code>\مقدارکادر</code>
<code>\sbox</code>	<code>\مقکادر</code>
<code>\scalebox</code>	<code>\کادراندازه</code>
<code>\scdefault</code>	<code>\پیشفرضتمامبزرگ</code>
<code>\scshape</code>	<code>\شکلتمامبزرگ</code>
<code>\scriptfont</code>	<code>\قلمتوان</code>
<code>\scriptscriptfont</code>	<code>\قلمتوانتوان</code>
<code>\scriptscriptstyle</code>	<code>\سبکتهنوشتتهنوشت</code>
<code>\scriptsize</code>	<code>\اندازهپانویس</code>
<code>\scripstyle</code>	<code>\سبکتهنوشت</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\scrollmode</code>	پردازش گذری
<code>\section</code>	قسمت
<code>\secdef</code>	تعریف قسمت
<code>\see</code>	ببینید
<code>\seealso</code>	نیز ببینید
<code>\seename</code>	نام ببینید
<code>\selectfont</code>	قلم بردار
<code>\setboolean</code>	تنظیم بولی
<code>\setbox</code>	در کادر
<code>\setcounter</code>	مقدار شماره‌نده
<code>\setkeys</code>	مقدار کلیدها
<code>\setlength</code>	مقدار بعد
<code>\setminus</code>	تنظیم منها
<code>\SetSymbolFont</code>	تعریف قلم علائم
<code>\settodepth</code>	تنظیم به عمق
<code>\settoheight</code>	تنظیم به ارتفاع
<code>\settowidth</code>	مقدار بعد به اندازه
<code>\sfcode</code>	کد ضریب فاصله
<code>\sfdefault</code>	پیش فرض س ف
<code>\sffamily</code>	فامیل سن سریف
<code>\shadowbox</code>	کادر سایه دار
<code>\sharp</code>	تیز
<code>\shipout</code>	بفرست
<code>\shortstack</code>	پشته کوتاه
<code>\show</code>	نمایش بده
<code>\showbox</code>	نمایش بده کادر
<code>\showboxbreadth</code>	میزان نمایش کادر
<code>\showboxdepth</code>	عمق نمایش کادر
<code>\showlists</code>	نمایش بده لیستها
<code>\showthe</code>	نمایش بده محتوای
<code>\simplefontmode</code>	حالت ساده قلم
<code>\sift@n</code>	شانزد @
<code>\skewchar</code>	نویسه اریب
<code>\skip</code>	فاصله
<code>\skip@</code>	فاصل @
<code>\skipdef</code>	تعریف فاصله
<code>\sl</code>	خوابیده
<code>\sldefault</code>	پیش فرض خو
<code>\slshape</code>	شکل خوابیده
<code>\sloppy</code>	راحت چین

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Command in T_EX or L^AT_EX 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>\snglftlocatcode</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 بشمارنده
<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 مس
<code>\supereject</code>	\منتهاى 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_EX or L^AT_EX 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 سطر جدول
\tag	\تیکت
\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 تر متنی
\textless	\کمنر متنی
\textbf	\متن سیاه
\textcircled	\مدور متنی
\textcolor	\رنگ متن
\textcompwordmark	\نشان کلمه مرکب متن
\textfloatsep	\فاصله متن و شناور

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindented</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتي متی
<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>	\سبک متی
<code>\textsuperscript</code>	\بالا نویسی متی
<code>\texttrademark</code>	\علامت تجاری متی
<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>	\خط‌ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط‌ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبک 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 بد نمایی
<code>\top</code>	\بالا

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Command in T_EX or L^AT_EX 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>\ازیر خط</code>
<code>\unhbox</code>	<code>\جی کادرا</code>
<code>\unhcopy</code>	<code>\جی کپی ا</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>\جی کادرو</code>
<code>\unvcopy</code>	<code>\جی 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>

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



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

Table 2: The Equivalent XePersian Commands

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

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>	\بگذارد مرجوعات عادی
<code>\setdefaultmarginpar</code>	\بگذارد در حاشیه عادی
<code>\setdigitfont</code>	\گزینش قلم اعداد فرمولها
<code>\setfootnoteLR</code>	\بگذارد زیر نویس چپ
<code>\setfootnoteRL</code>	\بگذارد زیر نویس راست
<code>\setlatintextfont</code>	\گزینش قلم لاتین متن
<code>\setLTR</code>	\بگذارد متن چپ
<code>\setLTRbibitems</code>	\بگذارد مرجوعات چپ
<code>\setLTRmarginpar</code>	\بگذارد در حاشیه چپ
<code>\setRTL</code>	\بگذارد متن راست
<code>\setRTLbibitems</code>	\بگذارد مرجوعات راست
<code>\setRTLMarginpar</code>	\بگذارد در حاشیه راست
<code>\settextfont</code>	\گزینش قلم متن
<code>\textwidthfootnoterule</code>	\خط زیر نویس پهنای متن
<code>\twocolumnstableofcontents</code>	\فهرست مطالب دو ستونی
<code>\unsetfootnoteRL</code>	\نگذارد زیر نویس راست
<code>\unsetLTR</code>	\نگذارد متن چپ
<code>\unsetRTL</code>	\نگذارد متن راست
<code>\vboxL</code>	\کادر واز چپ
<code>\vboxR</code>	\کادر واز راست
<code>\XeLaTeX</code>	\ازی لاتک
<code>\XePersian</code>	\ازی پرشین
<code>\xepersianversion</code>	\گونه زی پرشین
<code>\xepersiandate</code>	\تاریخ گونه زی پرشین
<code>\XeTeX</code>	\ازی تک

Table 3: The Equivalent \LaTeX Environments

Environment in \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 \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 چ
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چند ستونی ها
multline	چند خطی
note	یادداشت
overlay	انباشتن
picture	تصویر
quotation	اقتباس
quote	نقل
slide	اسلاید
sloppypar	پارنا مرتب
split	شکافتن
subarray	زیر آرایه
tabbing	جاگذاری
table	لوح
table*	لوح*
tabular	جدول
tabular*	جدول*
thebibliography	مراجع
theindex	محتوای نمایه
titlepage	صفحه عنوان
trivlist	لیست بدوی
verbatim	همانطور که هست
verbatim*	همانطور که هست*
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	دسته بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته بندی راست

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

Table 5: The Equivalent \LaTeX position arguments

Position argument in \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	تحویل 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 کو چک
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 کو چک
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	اسکرپیت ریاضی
Style	MathScriptScript	اسکرپیت اسکرپیت ریاضی

2.5 A Sample Input T_EX File

```

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

```

2.6 Font Commands



2.6.1 Basic Font Commands

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

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

2.6.2 Defining Extra Persian and Latin Fonts

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

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

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

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

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

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

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



2.6.3 Choosing Persian Sans Font

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

2.6.4 Choosing Persian Mono Font

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

2.6.5 Choosing Persian Iranic Font

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

2.6.6 Choosing Persian Navar Font

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

2.6.7 Choosing Persian Pook Font

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

2.6.8 Choosing Persian Sayeh Font

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

2.6.9 Choosing Latin Sans Font

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

2.6.10 Choosing Latin Mono Font

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



3 Latin and Persian Environment

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

- ☞ latin environment both changes direction of the paragraphs to LTR and font to Latin font.
- ☞ persian environment both changes direction of the Paragraphs to RTL and font to Persian font.

3.1 latinitems and parsiitems environments

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

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

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

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

3.2 Short Latin and Persian Texts

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

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

3.3 Miscellaneous Commands

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

- ☞ \persianyear is Persian equivalent of \year.



- ☞ `\persianmonth` is Persian equivalent of `\month`.
- ☞ `\persianday` is Persian equivalent of `\day`.
- ☞ `\today` typesets current Persian date and `\latintoday` typesets current Latin date.
- ☞ `\twocolumnstableofcontents` typesets table of contents in two columns. This requires that you have loaded `multicol` package before `XePersian` package, otherwise an error will be issued.
- ☞ `\XePersian` typesets `XePersian`'s logo.
- ☞ `\plq` and `\prq` typeset Persian left quote and Persian right quote respectively.

3.4 New Commands

`\Latincite`

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

3.5 Additional Counters

`XePersian` defines several additional counters to what already \LaTeX offers. These counters are `harfi`, `adadi`, and `tartibi`. In addition, the following commands are also provided:

`\harfinumeral{\langle integer \rangle}` `\adadinumeral{\langle integer \rangle}` `\tartibinumeral{\langle integer \rangle}`

- ☞ 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_EX 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_EX'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_EX'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_EX 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_EX Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiT_EX files to XePersian or unicode. This program can be found in doc folder with the name ftxe-0.12.py. To convert your FarsiT_EX files to XePersian, put ftxe-0.12.py in the same directory that your FarsiT_EX 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_EX 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 create² a magazine just load the class as usual³, with

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

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

From this point it is possible to include packages and renew class commands described in [subsection 6.1.g](#).

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 (*image*) and (*description*). Notice that second argument is optional and it declares the image

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

³You 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 [subsection 6.1.5](#), the `editorial` environment [subsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsection 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}
...{\text}...
\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}
```

```
\columntitle \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

```
\columntitle{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 [subsection 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 \LaTeX commands, using `\renewcommand` to change their behaviour.



6.1.10 Front Page

```
\customlogo \customminilogo \custommagazinename
```

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>}  
\custommagazinename{<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 [subsection 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 \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 lay out.

6.2 Typesetting Multiple-choice Questions

6.2.1 Introduction

xepersian-multiplechoice is a package for making multiple choices questionnaires under \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 ۲ جواب
4 \false ۳ جواب
5 \false ۴ جواب
6 \end{question}
7 \begin{correction}
8 جواب واقعی و علت اینکه این جواب، جواب واقعی هست
9 \end{correction}
```

6.2.5 The question Environment

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

```
\true \false
```

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

6.2.6 Question Numbers

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



6.2.7 The Form and the Mask

```
\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 \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 \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}[2013/04/26 v0.3 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11   \let\sectionname\appendixname
12   \def\thesection{\@harfi\c@section}}
13
14 \long\def\@footnotetext#1{%
15   \insert\footins{%
16     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
17     \normalfont\footnotesize
18     \interlinepenalty\interfootnotelinepenalty
19     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
20     \floatingpenalty\@MM \hsize\columnwidth
21     \@parboxrestore \parindent\normalparindent \sloppy
22     \protected@edef\@currentlabel{%
23       \csname p@footnote\endcsname\@thefnmark}%
24     \@makefntext{%
25       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
26
27
28
29
30
31 \long\def\@RTLfootnotetext#1{%
32   \insert\footins{%
33     \@RTLtrue%
34     \normalfont\footnotesize
35     \interlinepenalty\interfootnotelinepenalty
36     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
37     \floatingpenalty\@MM \hsize\columnwidth
38     \@parboxrestore \parindent\normalparindent \sloppy
39     \protected@edef\@currentlabel{%
40       \csname p@footnote\endcsname\@thefnmark}%
41     \@makefntext{%
42       \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}
43
44
45

```



```

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

```

7.4 amsbook-xepersian.def

```

68 \ProvidesFile{amsbook-xepersian.def}[2013/04/26 v0.4 adaptations for amsbook class]
69 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
70 \renewcommand \thepart {\@tartibi\c@part}
71 \def\appendix{\par
72   \c@chapter\z@ \c@section\z@
73   \let\chaptername\appendixname
74   \def\thechapter{\@harfi\c@chapter}}
75
76 \long\def\@footnotetext#1{%
77   \insert\footins{%
78     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
79     \normalfont\footnotesize
80     \interlinepenalty\interfootnotelinepenalty
81     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
82     \floatingpenalty\@MM \hsize\columnwidth
83     \@parboxrestore \parindent\normalparindent \sloppy
84     \protected@edef\@currentlabel{%
85       \csname p@footnote\endcsname\@thefnmark}%
86     \@makefntext{%
87       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
88
89
90
91
92

```



```

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

```

7.5 appendix-xepersian.def

```

129 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
130 \renewcommand{\@resets@pp}{\par
131   \@ppsavesec
132   \stepcounter{@pps}
133   \setcounter{section}{0}%
134   \if@chapter@pp
135     \setcounter{chapter}{0}%
136     \renewcommand\@chapapp{\appendixname}%
137     \renewcommand\thechapter{\@harfi@c@chapter}%
138   \else
139     \setcounter{subsection}{0}%

```



```

140 \renewcommand\thesection{\@harfi\c@section}%
141 \fi
142 \restoreapp
143 }

```

7.6 article-xepersian.def

```

144 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]
145 \renewcommand \thepart {\@tartibi\c@part}
146 \renewcommand\appendix{\par
147 \setcounter{section}{0}%
148 \setcounter{subsection}{0}%
149 \gdef\thesection{\@harfi\c@section}}

```

7.7 artikel1-xepersian.def

```

150 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
151 \renewcommand*\thepart{\@tartibi\c@part}
152 \renewcommand*\appendix{\par
153 \setcounter{section}{0}%
154 \setcounter{subsection}{0}%
155 \gdef\thesection{\@harfi\c@section}}

```

7.8 artikel2-xepersian.def

```

156 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
157 \renewcommand*\thepart{\@tartibi\c@part}
158 \renewcommand*\appendix{\par
159 \setcounter{section}{0}%
160 \setcounter{subsection}{0}%
161 \gdef\thesection{\@harfi\c@section}}

```

7.9 artikel3-xepersian.def

```

162 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
163 \renewcommand*\thepart{\@tartibi\c@part}
164 \renewcommand*\appendix{\par
165 \setcounter{section}{0}%
166 \setcounter{subsection}{0}%
167 \gdef\thesection{\@harfi\c@section}}

```

7.10 backref-xepersian.def

```

168 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
169 \def\backrefpagesname{\if@RTL else\ pages\fi}
170 \def\BR@Latincitex[#1]#2{%
171 \BRorg@Latincitex[#{#1}]{#2}%
172 \ifBR@verbose
173 \PackageInfo{backref}{back Latin cite \string`#2\string'}%
174 \fi
175 \Hy@backout{#2}%
176 }
177 \AtBeginDocument{%

```



```

178 \ifundefined{NAT@parse}{%
179   \global\let\BRorg@Latincitex\@Latincitex
180   \global\let\@Latincitex\BR@Latincitex
181 }{%
182   \ifpackageloaded{hyperref}{}%
183   \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
184   }%
185   \PackageInfo{backref}{** backref set up for natbib **}%
186 }%
187 }%

```

7.11 bidentuftsidenote-xepersian.def

```

188 \ProvidesFile{bidentuftsidenote-xepersian.def}[2014/12/28 v0.2 xepersian changes to bidentuftsidenote]
189 \setLTRcitationfont{\@bidentuftsidenote@marginfont\latinfont}
190 \long\def\@LTRbidentuftsidenote@sidenote[#1][#2]#3{%
191   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
192   \gdef\@bidentuftsidenote@citations{}}% clear out any old citations
193   \ifthenelse{\NOT\isempty{#2}}{%
194     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
195   }{%
196     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
197   }%
198   \ifthenelse{\isempty{#1}}{%
199     % no specific footnote number provided
200     \stepcounter\@mpfn%
201     \protected@xdef\@thefnmark{\thempfn}%
202     \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}%
203   }{%
204     % specific footnote number provided
205     \begingroup%
206       \csname c@\@mpfn\endcsname #1\relax%
207       \unrestored@protected@xdef\@thefnmark{\thempfn}%
208     \endgroup%
209     \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}%
210   }%
211   \@bidentuftsidenote@print@citations% print any citations
212   \let\cite\@bidentuftsidenote@normal@cite% go back to using normal in-text \cite command
213   \unskip\ignorespaces% remove extra white space
214   \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
215   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
216 }
217 \long\def\@RTLbidentuftsidenote@sidenote[#1][#2]#3{%
218   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
219   \gdef\@bidentuftsidenote@citations{}}% clear out any old citations
220   \ifthenelse{\NOT\isempty{#2}}{%
221     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
222   }{%
223     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
224   }%

```



```

225 \ifthenelse{\isempty{#1}}{%
226   % no specific footnote number provided
227   \stepcounter{\mpfn}
228   \protected@xdef\@thefnmark{\thempfn}%
229   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
230 }{%
231   % specific footnote number provided
232   \begingroup%
233     \csname c@\mpfn\endcsname #1\relax%
234     \unrestored@protected@xdef\@thefnmark{\thempfn}%
235     \endgroup%
236     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
237 }%
238 \@bidityftesidenote@print@citations%           print any citations
239 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
240 \unskip\ignorespaces%                          remove extra white space
241 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
242 \kern\multiplefootnotemarker\relax%           add new \kern here to replace the one we yanked
243 }
244 \renewcommand\LTRmarginnote[2][Opt]{%
245 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
246 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
247 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\latinfont
248 \@bidityftesidenote@print@citations%         print any citations
249 \let\cite\@bidityftesidenote@normal@cite%     go back to using normal in-text \cite command
250 }
251 \renewcommand\RTLmarginnote[2][Opt]{%
252 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
253 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
254 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\persianfont
255 \@bidityftesidenote@print@citations%         print any citations
256 \let\cite\@bidityftesidenote@normal@cite%     go back to using normal in-text \cite command
257 }

```

7.12 bidimoderncv-xepersian.def

```

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

```

7.13 boek3-xepersian.def

```

260 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
261 \renewcommand*\thepart{\@tartibi\c@part}
262 \renewcommand*\frontmatter{%
263   \cleardoublepage
264   \@mainmatterfalse
265   \pagenumbering{harfi}}
266 \renewcommand*\appendix{\par
267   \setcounter{chapter}{0}%
268   \setcounter{section}{0}%
269   \gdef\@chapapp{\appendixname}%

```



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

7.14 boek-xepersian.def

```
271 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
272 \renewcommand*\thepart{\@tartibi\c@part}
273 \renewcommand*\frontmatter{%
274   \cleardoublepage
275   \@mainmatterfalse
276   \pagenumbering{harfi}}
277 \renewcommand*\appendix{\par
278   \setcounter{chapter}{0}%
279   \setcounter{section}{0}%
280   \gdef\@chapapp{\appendixname}%
281   \gdef\thechapter{\@harfi\c@chapter}}
```

7.15 bookest-xepersian.def

```
282 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
283 \renewcommand \thepart {\@tartibi\c@part}
284 \renewcommand\appendix{\par
285   \setcounter{chapter}{0}%
286   \setcounter{section}{0}%
287   \gdef\@chapapp{\appendixname}%
288   \gdef\thechapter{\@harfi\c@chapter}
289 }%end appendix
```

7.16 book-xepersian.def

```
290 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
291 \renewcommand\frontmatter{%
292   \cleardoublepage
293   \@mainmatterfalse
294   \pagenumbering{harfi}}
295 \renewcommand \thepart {\@tartibi\c@part}
296 \renewcommand\appendix{\par
297   \setcounter{chapter}{0}%
298   \setcounter{section}{0}%
299   \gdef\@chapapp{\appendixname}%
300   \gdef\thechapter{\@harfi\c@chapter}
301 }%end appendix
```

7.17 breqn-xepersian.def

```
302 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
303 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
304   \everydisplay\expandafter{\the\everydisplay \display@setup}%
305   \if@noskipsec \leavevmode \fi
306   \if@inlabel \leavevmode \global\@inlabelfalse \fi
307   \if@eq@group\else\eq@prelim\fi
308   \setkeys{breqn}{#1}%
309   \the\eqstyle
310   \eq@setnumber
```



```

311 \begingroup
312 \eq@setup@a
313 \eq@startup
314 }
315 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
316 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
317 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
318 \global\let\GRP@label\@empty
319 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
320 \global\grp@linewidth\z@\global\grp@wdNum\z@
321 \global\let\grp@eqs@numbered\@False
322 \global\let\grp@aligned\@True
323 \global\let\grp@shiftnumber\@False
324 \eq@prelim
325 \setkeys{breqn}{#1}%
326 \if\grp@hasNumber \grp@setnumber \fi
327 }
328 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
329 \let\display@setup\dseries@display@setup
330 % Question: should this be the default for dseries???
331 \global\eq@wdCond\z@
332 \@dmath[layout={M},#1]%
333 \mathsurround\z@\@math \penalty\@Mi
334 \let\endmath\ends@math
335 \def\premath{%
336 \ifdim\lastskip<.3em \unskip
337 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
338 }%
339 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
340 \ignorespaces
341 }

```

7.18 latex-localise-commands-xepersian.def

```

342 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of LaTeX]
343 \eqcommand{ \arstrut }{@arstrut}
344 \eqcommand{ }{above}
345 \eqcommand{ }{abovedisplayshortskip}
346 \eqcommand{ }{abovedisplayskip}
347 \eqcommand{ }{abstractname}
348 \eqcommand{ }{accent}
349 \eqcommand{ }{active}
350 \eqcommand{ }{addcontentsline}
351 \eqcommand{ }{addpenalty}
352 \eqcommand{ }{address}
353 \eqcommand{ }{addtocontents}
354 \eqcommand{ }{addtocounter}
355 \eqcommand{ }{addtolength}
356 \eqcommand{ }{addvspace}
357 \eqcommand{ }{adjdemerits}

```



```

358 \eqcommand{    }{advance}
359 \eqcommand{    }{afterassignment}
360 \eqcommand{    }{aftergroup}
361 \eqcommand{ }{aleph}
362 \eqcommand{    }{aliasfontfeature}
363 \eqcommand{    }{aliasfontfeatureoption}
364 \eqcommand{    }{allowbreak}
365 \eqcommand{ @}{alloc@}
366 \eqcommand{    }{allocationnumber}
367 \eqcommand{    }{allowdisplaybreaks}
368 \eqcommand{    }{Alph}
369 \eqcommand{    }{alph}
370 \eqcommand{    }{alsoname}
371 \eqcommand{ }{and}
372 \eqcommand{    }{angle}
373 \eqcommand{    }{appendixname}
374 \eqcommand{    }{approx}
375 \eqcommand{    }{arabic}
376 \eqcommand{ }{arg}
377 \eqcommand{    }{arrayrulecolor}
378 \eqcommand{    }{arraycolsep}
379 \eqcommand{    }{arrayrulewidth}
380 \eqcommand{    }{arraystretch}
381 \eqcommand{    }{AtBeginDocument}
382 \eqcommand{    }{AtEndDocument}
383 \eqcommand{    }{AtEndOfClass}
384 \eqcommand{    }{AtEndOfPackage}
385 \eqcommand{    }{author}
386 \eqcommand{    }{backmatter}
387 \eqcommand{    }{backslash}
388 \eqcommand{    }{badness}
389 \eqcommand{ }{bar}
390 \eqcommand{    }{baselineskip}
391 \eqcommand{    }{baselinestretch}
392 \eqcommand{    }{batchmode}
393 \eqcommand{ }{begin}
394 \eqcommand{    }{beginL}
395 \eqcommand{    }{beginR}
396 \eqcommand{    }{begingroup}
397 \eqcommand{    }{belowdisplayshortskip}
398 \eqcommand{    }{belowdisplayskip}
399 \eqcommand{ }{bf}
400 \eqcommand{    }{bfdefault}
401 \eqcommand{    }{bfseries}
402 \eqcommand{    }{bgroup}
403 \eqcommand{ }{bibitem}
404 \eqcommand{    }{bibliography}
405 \eqcommand{    }{bibliographystyle}
406 \eqcommand{    }{bibname}
407 \eqcommand{    }{bigskip}

```



```

408 \eqcommand{      }{bigskipamount}
409 \eqcommand{      }{botfigrule}
410 \eqcommand{      }{botmark}
411 \eqcommand{      }{bottompageskip}
412 \eqcommand{      }{bottomfraction}
413 \eqcommand{ }{box}
414 \eqcommand{      }{boxmaxdepth}
415 \eqcommand{ }{break}
416 \eqcommand{ }{bullet}
417 \eqcommand{ @ }{@cclv}
418 \eqcommand{ @ }{@cclvi}
419 \eqcommand{ }{caption}
420 \eqcommand{ }{catcode}
421 \eqcommand{ }{cc}
422 \eqcommand{      }{ccname}
423 \eqcommand{      }{cdot}
424 \eqcommand{      }{cdots}
425 \eqcommand{      }{centering}
426 \eqcommand{ }{centerline}
427 \eqcommand{ @ }{ch@ck}
428 \eqcommand{ }{chapter}
429 \eqcommand{      }{chaptername}
430 \eqcommand{ }{char}
431 \eqcommand{      }{chardef}
432 \eqcommand{      }{CheckCommand}
433 \eqcommand{ }{cite}
434 \eqcommand{      }{ClassError}
435 \eqcommand{      }{ClassInfo}
436 \eqcommand{      }{ClassWarning}
437 \eqcommand{      }{ClassWarningNoLine}
438 \eqcommand{      }{cleaders}
439 \eqcommand{      }{cleardoublepage}
440 \eqcommand{      }{clearpage}
441 \eqcommand{ }{cline}
442 \eqcommand{      }{closein}
443 \eqcommand{      }{closeout}
444 \eqcommand{ }{closing}
445 \eqcommand{      }{clubpenalty}
446 \eqcommand{ }{clubsuit}
447 \eqcommand{      }{colbotmark}
448 \eqcommand{      }{colfirstmark}
449 \eqcommand{ }{color}
450 \eqcommand{      }{colorbox}
451 \eqcommand{      }{coltopmark}
452 \eqcommand{      }{columncolor}
453 \eqcommand{      }{columnsep}
454 \eqcommand{      }{columnwidth}
455 \eqcommand{      }{columnseprule}
456 \eqcommand{      }{contentsline}
457 \eqcommand{      }{contentsname}

```



```

458 \eqcommand{ }{copy}
459 \eqcommand{ }{copyright}
460 \eqcommand{ }{count}
461 \eqcommand{ @}{count@}
462 \eqcommand{ }{countdef}
463 \eqcommand{ }{cr}
464 \eqcommand{ }{crr}
465 \eqcommand{ }{csname}
466 \eqcommand{ }{CurrentOption}
467 \eqcommand{ }{dashbox}
468 \eqcommand{ }{dashv}
469 \eqcommand{@ }{@date}
470 \eqcommand{ }{date}
471 \eqcommand{ }{day}
472 \eqcommand{ }{dblbotfigrule}
473 \eqcommand{ }{dblbottomfraction}
474 \eqcommand{ }{dblfigrule}
475 \eqcommand{ }{dblfloatpagefraction}
476 \eqcommand{ }{dblfloatsep}
477 \eqcommand{ }{dblftntlocatecode}
478 \eqcommand{ }{dbltextfloatsep}
479 \eqcommand{ }{dbltopfraction}
480 \eqcommand{ }{DeclareFixedFont}
481 \eqcommand{ }{DeclareGraphicsExtensions}
482 \eqcommand{ }{DeclareGraphicsRule}
483 \eqcommand{ }{DeclareOldFontCommand}
484 \eqcommand{ }{DeclareOption}
485 \eqcommand{ }{DeclareRobustCommand}
486 \eqcommand{ }{DeclareSymbolFont}
487 \eqcommand{ }{deadcycles}
488 \eqcommand{ }{def}
489 \eqcommand{ @ }{define@key}
490 \eqcommand{ }{definecolor}
491 \eqcommand{ }{deg}
492 \eqcommand{ }{delcode}
493 \eqcommand{ }{delimiter}
494 \eqcommand{ }{delimiterfactor}
495 \eqcommand{ }{depth}
496 \eqcommand{ }{diamondsuit}
497 \eqcommand{ }{dim}
498 \eqcommand{ }{dimen}
499 \eqcommand{ @}{dimen@}
500 \eqcommand{ @ }{dimen@i}
501 \eqcommand{ @ }{dimen@ii}
502 \eqcommand{ }{dimendef}
503 \eqcommand{ }{discretionary}
504 \eqcommand{ }{displaybreak}
505 \eqcommand{ }{displayindent}
506 \eqcommand{ }{displaystyle}
507 \eqcommand{ }{displaywidth}

```



```

508 \eqcommand{   }{divide}
509 \eqcommand{   }{documentclass}
510 \eqcommand{ }{do}
511 \eqcommand{   }{dospecials}
512 \eqcommand{ }{dot}
513 \eqcommand{   }{doteq}
514 \eqcommand{   }{dotfill}
515 \eqcommand{ }{dots}
516 \eqcommand{   }{doublebox}
517 \eqcommand{   }{doublerulesepcolor}
518 \eqcommand{   }{doublerulesep}
519 \eqcommand{   }{downarrow}
520 \eqcommand{ }{dp}
521 \eqcommand{ }{dump}
522 \eqcommand{ }{edef}
523 \eqcommand{   }{egroup}
524 \eqcommand{   }{eject}
525 \eqcommand{ }{else}
526 \eqcommand{ }{em}
527 \eqcommand{   }{emergencystretch}
528 \eqcommand{ }{emph}
529 \eqcommand{@ }{@empty}
530 \eqcommand{ }{empty}
531 \eqcommand{   }{emptyset}
532 \eqcommand{ }{end}
533 \eqcommand{   }{endL}
534 \eqcommand{   }{endR}
535 \eqcommand{   }{endcsname}
536 \eqcommand{   }{endfirsthead}
537 \eqcommand{   }{endfoot}
538 \eqcommand{ }{endgraf}
539 \eqcommand{   }{endgroup}
540 \eqcommand{   }{endhead}
541 \eqcommand{   }{endinput}
542 \eqcommand{   }{endlastfoot}
543 \eqcommand{   }{enlargethispage}
544 \eqcommand{ }{endline}
545 \eqcommand{   }{endlinechar}
546 \eqcommand{ }{enspace}
547 \eqcommand{ }{enskip}
548 \eqcommand{   }{eqcommand}
549 \eqcommand{   }{eqenvironment}
550 \eqcommand{   }{eqref}
551 \eqcommand{ }{errhelp}
552 \eqcommand{   }{errmessage}
553 \eqcommand{   }{errorcontextlines}
554 \eqcommand{   }{errorstopmode}
555 \eqcommand{   }{escapechar}
556 \eqcommand{ }{euro}
557 \eqcommand{   }{evensidemargin}

```



```

558 \eqcommand{ }{everycr}
559 \eqcommand{ }{everydisplay}
560 \eqcommand{ }{everyhbox}
561 \eqcommand{ }{everyjob}
562 \eqcommand{ }{everymath}
563 \eqcommand{ }{everypar}
564 \eqcommand{ }{everyvbox}
565 \eqcommand{ }{ExecuteOptions}
566 \eqcommand{ }{exhyphenpenalty}
567 \eqcommand{ }{expandafter}
568 \eqcommand{ }{extracolsep}
569 \eqcommand{@ }{@firstofone}
570 \eqcommand{@ }{@firstoftwo}
571 \eqcommand{ @ }{f@ur}
572 \eqcommand{ }{fam}
573 \eqcommand{ }{fancy page}
574 \eqcommand{ }{fbox}
575 \eqcommand{ }{fboxrule}
576 \eqcommand{ }{fboxsep}
577 \eqcommand{ }{fcolorbox}
578 \eqcommand{ }{fi}
579 \eqcommand{ }{figurename}
580 \eqcommand{ }{filbreak}
581 \eqcommand{ }{fill}
582 \eqcommand{ }{firstmark}
583 \eqcommand{ }{flat}
584 \eqcommand{ }{floatpagefraction}
585 \eqcommand{ }{floatingpenalty}
586 \eqcommand{ }{floatsep}
587 \eqcommand{ }{flushbottom}
588 \eqcommand{ }{fmtname}
589 \eqcommand{ }{fmtversion}
590 \eqcommand{ }{fnsymbol}
591 \eqcommand{ }{font}
592 \eqcommand{ }{fontdimen}
593 \eqcommand{ }{fontencoding}
594 \eqcommand{ }{fontfamily}
595 \eqcommand{ }{fontname}
596 \eqcommand{ }{fontseries}
597 \eqcommand{ }{fontshape}
598 \eqcommand{ }{fontsize}
599 \eqcommand{ }{footheight}
600 \eqcommand{ }{footins}
601 \eqcommand{ }{footnote}
602 \eqcommand{ }{footnotemark}
603 \eqcommand{ }{footnoterule}
604 \eqcommand{ }{footnotesep}
605 \eqcommand{ }{footnotesize}
606 \eqcommand{ }{footnotetext}
607 \eqcommand{ }{footskip}

```



```

608 \eqcommand{ }{frame}
609 \eqcommand{ }{framebox}
610 \eqcommand{ }{frenchspacing}
611 \eqcommand{ }{frontmatter}
612 \eqcommand{ }{futurelet}
613 \eqcommand{@ }{@gobble}
614 \eqcommand{@ }{@gobbletwo}
615 \eqcommand{@ }{@gobblefour}
616 \eqcommand{@ }{@gtempa}
617 \eqcommand{@ }{@gtempb}
618 \eqcommand{ }{gdef}
619 \eqcommand{ }{GenericInfo}
620 \eqcommand{ }{GenericWarning}
621 \eqcommand{ }{GenericError}
622 \eqcommand{ }{global}
623 \eqcommand{ }{globaldefs}
624 \eqcommand{ }{glossary}
625 \eqcommand{ }{glossaryentry}
626 \eqcommand{ }{goodbreak}
627 \eqcommand{ }{graphpaper}
628 \eqcommand{ }{guillemotleft}
629 \eqcommand{ }{guillemotright}
630 \eqcommand{ }{guilsinglleft}
631 \eqcommand{ }{guilsinglright}
632 \eqcommand{ }{halign}
633 \eqcommand{ }{hang}
634 \eqcommand{ }{hangafter}
635 \eqcommand{ }{hangindent}
636 \eqcommand{ }{hbadness}
637 \eqcommand{ }{hbox}
638 \eqcommand{ }{headheight}
639 \eqcommand{ }{headsep}
640 \eqcommand{ }{headtoname}
641 \eqcommand{ }{heartsuit}
642 \eqcommand{ }{height}
643 \eqcommand{ }{hfil}
644 \eqcommand{ }{hfill}
645 \eqcommand{ }{hfilneg}
646 \eqcommand{ }{hfuzz}
647 \eqcommand{ }{hideskip}
648 \eqcommand{ }{hidewidth}
649 \bidi@csletcs{ }{hline}% this is an exception
650 \eqcommand{ }{hoffset}
651 \eqcommand{ }{holdinginserts}
652 \eqcommand{ }{hrboxsep}
653 \eqcommand{ }{hrule}
654 \eqcommand{ }{hrulefill}
655 \eqcommand{ }{hsize}
656 \eqcommand{ }{hskip}
657 \eqcommand{ }{hspace}

```



```

658 \eqcommand{ }{hss}
659 \eqcommand{ }{ht}
660 \eqcommand{ }{huge}
661 \eqcommand{ }{Huge}
662 \eqcommand{ }{hyperlink}
663 \eqcommand{ }{hypersetup}
664 \eqcommand{ }{hypertarget}
665 \eqcommand{ }{hyphenation}
666 \eqcommand{ }{hyphenchar}
667 \eqcommand{ }{hyphenpenalty}
668 \eqcommand{@ }{@ifclassloaded}
669 \eqcommand{@ }{@ifdefinable}
670 \eqcommand{@ }{@ifnextchar}
671 \eqcommand{@ }{@ifpackageloaded}
672 \eqcommand{@ }{@ifstar}
673 \eqcommand{@ }{@ifundefined}
674 \eqcommand{ }{if}
675 \eqcommand{ @ }{if@tempswa}
676 \eqcommand{ }{ifcase}
677 \eqcommand{ }{ifcat}
678 \eqcommand{ }{ifdefined}
679 \eqcommand{ }{ifdim}
680 \eqcommand{ }{ifeof}
681 \eqcommand{ }{iff}
682 \eqcommand{ }{iffalse}
683 \eqcommand{ }{IfFileExists}
684 \eqcommand{ }{ifhbox}
685 \eqcommand{ }{ifhmode}
686 \eqcommand{ }{ifinner}
687 \eqcommand{ }{ifmmode}
688 \eqcommand{ }{ifnum}
689 \eqcommand{ }{ifodd}
690 \eqcommand{ }{ifthenelse}
691 \eqcommand{ }{iftrue}
692 \eqcommand{ }{ifvbox}
693 \eqcommand{ }{ifvmode}
694 \eqcommand{ }{ifvoid}
695 \eqcommand{ }{ifx}
696 \eqcommand{ }{ignorespaces}
697 \eqcommand{ }{immediate}
698 \eqcommand{ }{include}
699 \eqcommand{ }{includegraphics}
700 \eqcommand{ }{includeonly}
701 \eqcommand{ }{indent}
702 \eqcommand{ }{index}
703 \eqcommand{ }{indexentry}
704 \eqcommand{ }{indexname}
705 \eqcommand{ }{indexspace}
706 \eqcommand{ }{input}
707 \eqcommand{ }{InputIfFileExists}

```



```

708 \eqcommand{      }{inputlineno}
709 \eqcommand{ }{insert}
710 \eqcommand{      }{insertpenalties}
711 \eqcommand{      }{interfootnotelinepenalty}
712 \eqcommand{      }{interdisplaylinepenalty}
713 \eqcommand{      }{interlinepenalty}
714 \eqcommand{      }{intertext}
715 \eqcommand{      }{intertextsep}
716 \eqcommand{ }{invisible}
717 \eqcommand{      }{itdefault}
718 \eqcommand{      }{itshape}
719 \eqcommand{ }{item}
720 \eqcommand{      }{itemindent}
721 \eqcommand{      }{itemsep}
722 \eqcommand{      }{iterate}
723 \eqcommand{      }{itshape}
724 \eqcommand{      }{jobname}
725 \eqcommand{ }{jot}
726 \eqcommand{      }{kern}
727 \eqcommand{      }{kill}
728 \eqcommand{      }{label}
729 \eqcommand{      }{labelenumi}
730 \eqcommand{      }{labelenumii}
731 \eqcommand{      }{labelenumiii}
732 \eqcommand{      }{labelenumiv}
733 \eqcommand{      }{labelitemi}
734 \eqcommand{      }{labelitemii}
735 \eqcommand{      }{labelitemiii}
736 \eqcommand{      }{labelitemiv}
737 \eqcommand{      }{labelsep}
738 \eqcommand{      }{labelwidth}
739 \eqcommand{ }{language}
740 \eqcommand{ }{large}
741 \eqcommand{      }{Large}
742 \eqcommand{      }{LARGE}
743 \eqcommand{      }{lastbox}
744 \eqcommand{      }{lastkern}
745 \eqcommand{      }{lastpenalty}
746 \eqcommand{      }{lastskip}
747 \eqcommand{ }{LaTeX}
748 \eqcommand{      }{LaTeXe}
749 \eqcommand{      }{lccode}
750 \eqcommand{      }{ldots}
751 \eqcommand{      }{leaders}
752 \eqcommand{ }{leavevmode}
753 \eqcommand{ }{left}
754 \eqcommand{      }{leftmargin}
755 \eqcommand{      }{leftmargini}
756 \eqcommand{      }{leftmarginii}
757 \eqcommand{      }{leftmarginiii}

```



```

758 \eqcommand{    }{\leftmarginiv}
759 \eqcommand{    }{\leftmarginv}
760 \eqcommand{    }{\leftmarginvi}
761 \eqcommand{    }{\leftmark}
762 \eqcommand{    }{\leftpageskip}
763 \eqcommand{    }{\leftskip}
764 \eqcommand{ }{\let}
765 \eqcommand{ }{\line}
766 \eqcommand{ }{\linebreak}
767 \eqcommand{ }{\linepenalty}
768 \eqcommand{ }{\lineskip}
769 \eqcommand{ }{\lineskiplimit}
770 \eqcommand{ }{\linespread}
771 \eqcommand{ }{\linethickness}
772 \eqcommand{ }{\linewidth}
773 \eqcommand{ }{\listfigurename}
774 \eqcommand{ }{\listfiles}
775 \eqcommand{ }{\listoffigures}
776 \eqcommand{ }{\listoftables}
777 \eqcommand{ }{\listparindent}
778 \eqcommand{ }{\listtablename}
779 \eqcommand{ }{\LoadClass}
780 \eqcommand{ }{\LoadClassWithOptions}
781 \eqcommand{ }{\location}
782 \eqcommand{ }{\long}
783 \eqcommand{ }{\looseness}
784 \eqcommand{ }{\lower}
785 \eqcommand{@ }{@makeother}
786 \eqcommand{@ }{@m}
787 \eqcommand{ @ }{@M}
788 \eqcommand{ @ }{@Mi}
789 \eqcommand{ @ }{@Mii}
790 \eqcommand{ @ }{@Miii}
791 \eqcommand{ @ }{@Miv}
792 \eqcommand{ @ }{@MM}
793 \eqcommand{ @ }{@m@e}
794 \eqcommand{ }{\mag}
795 \eqcommand{ }{\magstep}
796 \eqcommand{ }{\magstephalf}
797 \eqcommand{ }{\mainmatter}
798 \eqcommand{ }{\makeatletter}
799 \eqcommand{ }{\makeatother}
800 \eqcommand{ }{\makebox}
801 \eqcommand{ }{\makeglossary}
802 \eqcommand{ }{\makeindex}
803 \eqcommand{ }{\makelabel}
804 \eqcommand{ }{\makelabels}
805 \eqcommand{ }{\MakeLowercase}
806 \eqcommand{ }{\maketitle}
807 \eqcommand{ }{\MakeUppercase}

```



```

808 \eqcommand{   }{marginpar}
809 \eqcommand{   }{marginparpush}
810 \eqcommand{   }{marginparsep}
811 \eqcommand{   }{marginparwidth}
812 \eqcommand{ }{mark}
813 \eqcommand{   }{markboth}
814 \eqcommand{   }{markright}
815 \eqcommand{   }{mathaccent}
816 \eqcommand{   }{mathchar}
817 \eqcommand{   }{mathchardef}
818 \eqcommand{   }{mathcode}
819 \eqcommand{   }{mathrm}
820 \eqcommand{   }{maxdeadcycles}
821 \eqcommand{   }{maxdepth}
822 \eqcommand{   }{maxdimen}
823 \eqcommand{ }{mbox}
824 \eqcommand{   }{mdseries}
825 \eqcommand{ }{meaning}
826 \eqcommand{ }{mediumseries}
827 \eqcommand{   }{medmuskip}
828 \eqcommand{   }{medskip}
829 \eqcommand{   }{medskipamount}
830 \eqcommand{   }{medspace}
831 \eqcommand{ }{message}
832 \eqcommand{   }{MessageBreak}
833 \eqcommand{   }{minrowclearance}
834 \eqcommand{   }{mkern}
835 \eqcommand{ }{month}
836 \eqcommand{   }{moveleft}
837 \eqcommand{   }{moveright}
838 \eqcommand{   }{mskip}
839 \eqcommand{ @ }{m@th}
840 \eqcommand{   }{multicolumn}
841 \eqcommand{ }{multiply}
842 \eqcommand{   }{multispan}
843 \eqcommand{   }{muskip}
844 \eqcommand{   }{muskipdef}
845 \eqcommand{@ }{@namedef}
846 \eqcommand{@ }{@nameuse}
847 \eqcommand{ @ }{@ne}
848 \eqcommand{ }{name}
849 \eqcommand{   }{natural}
850 \eqcommand{   }{narrow}
851 \eqcommand{   }{narrower}
852 \eqcommand{   }{NeedsTeXFormat}
853 \eqcommand{ }{neg}
854 \eqcommand{   }{negmedspace}
855 \eqcommand{   }{negthickspace}
856 \eqcommand{   }{negthinspace}
857 \eqcommand{   }{newboolean}

```



```

858 \eqcommand{    }{newbox}
859 \eqcommand{    }{newcommand}
860 \eqcommand{    }{newcount}
861 \eqcommand{    }{newcounter}
862 \eqcommand{    }{newdimen}
863 \eqcommand{    }{newenvironment}
864 \eqcommand{    }{newfam}
865 \eqcommand{    }{newfont}
866 \eqcommand{    }{newhelp}
867 \eqcommand{    }{newinsert}
868 \eqcommand{    }{newlabel}
869 \eqcommand{    }{newlength}
870 \eqcommand{    }{newline}
871 \eqcommand{    }{newlinechar}
872 \eqcommand{    }{newmuskip}
873 \eqcommand{    }{newpage}
874 \eqcommand{    }{newread}
875 \eqcommand{    }{newsavebox}
876 \eqcommand{    }{newskip}
877 \eqcommand{    }{newtheorem}
878 \eqcommand{    }{newtoks}
879 \eqcommand{    }{newwrite}
880 \eqcommand{    }{noalign}
881 \eqcommand{    }{nobreak}
882 \eqcommand{    }{nobreakspace}
883 \eqcommand{    }{nocite}
884 \eqcommand{    }{noexpand}
885 \eqcommand{    }{nofiles}
886 \eqcommand{    }{noindent}
887 \eqcommand{    }{nointerlineskip}
888 \eqcommand{    }{nolimits}
889 \eqcommand{    }{nolinebreak}
890 \eqcommand{    }{nonstopmode}
891 \eqcommand{    }{nonfrenchspacing}
892 \eqcommand{    }{nonumber}
893 \eqcommand{    }{nopagebreak}
894 \eqcommand{    }{normalbaselines}
895 \eqcommand{    }{normalbaselineskip}
896 \eqcommand{    }{normalcolor}
897 \eqcommand{    }{normalfont}
898 \eqcommand{    }{normallineskip}
899 \eqcommand{    }{normallineskiplimit}
900 \eqcommand{    }{normalmarginpar}
901 \eqcommand{    }{normalsize}
902 \eqcommand{    }{notag}
903 \eqcommand{    }{null}
904 \eqcommand{    }{nullfont}
905 \eqcommand{    }{number}
906 \eqcommand{    }{numberline}
907 \eqcommand{    }{numberwithin}

```



```

908 \eqcommand{      }{@evenfoot}
909 \eqcommand{      }{@evenhead}
910 \eqcommand{      }{@oddfoot}
911 \eqcommand{      }{@oddhead}
912 \eqcommand{      }{@outeqtrue}
913 \eqcommand{      }{@outeqfalse}
914 \eqcommand{      }{obeylines}
915 \eqcommand{      }{obeyspaces}
916 \eqcommand{      }{oddsidemargin}
917 \eqcommand{      }{offinterlineskip}
918 \eqcommand{ }{omit}
919 \eqcommand{@      }{@onlypreamble}
920 \eqcommand{      }{onecolumn}
921 \eqcommand{      }{onlynotes}
922 \eqcommand{      }{onlyslides}
923 \eqcommand{      }{openin}
924 \eqcommand{      }{openout}
925 \eqcommand{      }{OptionNotUsed}
926 \eqcommand{ }{or}
927 \eqcommand{      }{outer}
928 \eqcommand{      }{output}
929 \eqcommand{      }{outputpenalty}
930 \eqcommand{      }{overfullrule}
931 \eqcommand{@      }{@preamblecmds}
932 \eqcommand{@ }{p@}
933 \eqcommand{      }{PackageError}
934 \eqcommand{      }{PackageInfo}
935 \eqcommand{      }{PackageWarning}
936 \eqcommand{      }{PackageWarningNoLine}
937 \eqcommand{      }{pagebreak}
938 \eqcommand{      }{pagecolor}
939 \eqcommand{      }{pagedepth}
940 \eqcommand{      }{pagefilllstretch}
941 \eqcommand{      }{pagefillstretch}
942 \eqcommand{      }{pagefilstretch}
943 \eqcommand{      }{pagegoal}
944 \eqcommand{      }{pagename}
945 \eqcommand{      }{pagenumbering}
946 \eqcommand{      }{pageref}
947 \eqcommand{      }{pagerulewidth}
948 \eqcommand{      }{pageshrink}
949 \eqcommand{      }{pagestretch}
950 \eqcommand{      }{pagestyle}
951 \eqcommand{      }{pagetotal}
952 \eqcommand{      }{paperheight}
953 \eqcommand{      }{paperwidth}
954 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
955 \eqcommand{      }{paragraph}
956 \eqcommand{      }{parallel}
957 \eqcommand{      }{parbox}

```



```

958 \eqcommand{      }{parfillskip}
959 \eqcommand{      }{parindent}
960 \eqcommand{      }{parsep}
961 \eqcommand{      }{parshape}
962 \eqcommand{      }{parskip}
963 \eqcommand{ }{part}
964 \eqcommand{      }{partname}
965 \eqcommand{      }{partopsep}
966 \eqcommand{      }{PassOptionToClass}
967 \eqcommand{      }{PassOptionToPackage}
968 \eqcommand{ }{path}
969 \eqcommand{      }{patterns}
970 \eqcommand{ }{pausing}
971 \eqcommand{      }{penalty}
972 \eqcommand{ }{phantom}
973 \eqcommand{      }{poptabs}
974 \eqcommand{      }{postdisplaypenalty}
975 \eqcommand{      }{predisplaydirection}
976 \eqcommand{      }{predisplaypenalty}
977 \eqcommand{      }{predisplaysize}
978 \eqcommand{      }{pretolerance}
979 \eqcommand{      }{prevdepth}
980 \eqcommand{      }{prevgraf}
981 \eqcommand{      }{printindex}
982 \eqcommand{      }{ProcessOptions}
983 \eqcommand{ }{protect}
984 \eqcommand{      }{providecommand}
985 \eqcommand{      }{ProvidesClass}
986 \eqcommand{      }{ProvidesFile}
987 \eqcommand{      }{ProvidesPackage}
988 \eqcommand{      }{pushtabs}
989 \eqcommand{ }{quad}
990 \eqcommand{      }{qqquad}
991 \eqcommand{@      }{@outputpagerestore}
992 \eqcommand{      }{radical}
993 \eqcommand{      }{raggedbottom}
994 \eqcommand{      }{raggedleft}
995 \eqcommand{      }{raggedright}
996 \eqcommand{      }{raise}
997 \eqcommand{      }{raisebox}
998 \eqcommand{      }{raisetag}
999 \eqcommand{      }{rangle}
1000 \eqcommand{ }{rceil}
1001 \eqcommand{      }{read}
1002 \eqcommand{ }{ref}
1003 \eqcommand{      }{reflectbox}
1004 \eqcommand{      }{refname}
1005 \eqcommand{      }{refstepcounter}
1006 \eqcommand{ }{relax}
1007 \eqcommand{      }{removelastskip}

```



```

1008 \eqcommand{    }{renewcommand}
1009 \eqcommand{    }{renewenvironment}
1010 \eqcommand{    }{RequirePackage}
1011 \eqcommand{    }{RequirePackageWithOptions}
1012 \eqcommand{    }{resizebox}
1013 \eqcommand{    }{reversemarginpar}
1014 \eqcommand{ }{rfloor}
1015 \eqcommand{ }{right}
1016 \eqcommand{ }{rightmargin}
1017 \eqcommand{ }{rightmark}
1018 \eqcommand{ }{rightpageskip}
1019 \eqcommand{ }{rightskip}
1020 \eqcommand{ }{rmdefault}
1021 \eqcommand{ }{rmfamily}
1022 \eqcommand{ }{Roman}
1023 \eqcommand{ }{roman}
1024 \eqcommand{ }{romannumeral}
1025 \eqcommand{ }{rotatebox}
1026 \eqcommand{ }{rowcolor}
1027 \eqcommand{ }{rule}
1028 \eqcommand{@ }{@secondoftwo}
1029 \eqcommand{@ }{@spaces}
1030 \eqcommand{ }{samepage}
1031 \eqcommand{ }{savebox}
1032 \eqcommand{ }{sbox}
1033 \eqcommand{ }{scalebox}
1034 \eqcommand{ }{scdefault}
1035 \eqcommand{ }{scshape}
1036 \eqcommand{ }{setkeys}
1037 \eqcommand{ }{scriptfont}
1038 \eqcommand{ }{scriptscriptfont}
1039 \eqcommand{ }{scriptscriptstyle}
1040 \eqcommand{ }{scriptsize}
1041 \eqcommand{ }{scripstyle}
1042 \eqcommand{ }{scrollmode}
1043 \eqcommand{ }{section}
1044 \eqcommand{ }{secdef}
1045 \eqcommand{ }{see}
1046 \eqcommand{ }{seealso}
1047 \eqcommand{ }{seename}
1048 \eqcommand{ }{selectfont}
1049 \eqcommand{ }{setboolean}
1050 \eqcommand{ }{setbox}
1051 \eqcommand{ }{setcounter}
1052 \eqcommand{ }{setlength}
1053 \eqcommand{ }{setminus}
1054 \eqcommand{ }{SetSymbolFont}
1055 \eqcommand{ }{settodepth}
1056 \eqcommand{ }{settoheight}
1057 \eqcommand{ }{settowidth}

```



```

1058 \eqcommand{      }{sfcode}
1059 \eqcommand{      }{sfdefault}
1060 \eqcommand{      }{sffamily}
1061 \eqcommand{      }{shadowbox}
1062 \eqcommand{ }{sharp}
1063 \eqcommand{ }{shipout}
1064 \eqcommand{   }{shortstack}
1065 \eqcommand{   }{show}
1066 \eqcommand{   }{showbox}
1067 \eqcommand{   }{showboxbreadth}
1068 \eqcommand{   }{showboxdepth}
1069 \eqcommand{   }{showlists}
1070 \eqcommand{   }{showthe}
1071 \eqcommand{   }{simplefontmode}
1072 \eqcommand{ @}{sirt@n}
1073 \eqcommand{   }{skewchar}
1074 \eqcommand{   }{skip}
1075 \eqcommand{ @}{skip@}
1076 \eqcommand{   }{skipdef}
1077 \eqcommand{   }{sl}
1078 \eqcommand{   }{sldefault}
1079 \eqcommand{   }{slshape}
1080 \eqcommand{   }{slippy}
1081 \eqcommand{   }{slshape}
1082 \eqcommand{ }{small}
1083 \eqcommand{   }{smallskip}
1084 \eqcommand{   }{smallskipamount}
1085 \eqcommand{ }{smash}
1086 \eqcommand{   }{smile}
1087 \eqcommand{   }{singlfontlocatcode}
1088 \eqcommand{ }{space}
1089 \eqcommand{   }{spacefactor}
1090 \eqcommand{   }{spaceskip}
1091 \eqcommand{ }{spadesuit}
1092 \eqcommand{   }{span}
1093 \eqcommand{   }{special}
1094 \eqcommand{   }{splitmaxdepth}
1095 \eqcommand{   }{splittopskip}
1096 \eqcommand{   }{star}
1097 \eqcommand{   }{stepcounter}
1098 \eqcommand{ }{stretch}
1099 \eqcommand{   }{string}
1100 \eqcommand{ }{strut}
1101 \eqcommand{   }{strutbox}
1102 \eqcommand{   }{subitem}
1103 \eqcommand{   }{subparagraph}
1104 \eqcommand{   }{subsection}
1105 \eqcommand{   }{substack}
1106 \eqcommand{   }{subsubitem}
1107 \eqcommand{   }{subsubsection}

```



```

1108 \eqcommand{    }{subset}
1109 \eqcommand{    }{subseteq}
1110 \eqcommand{    }{supereject}
1111 \eqcommand{    }{suppressfloats}
1112 \eqcommand{@    }{@tempa}
1113 \eqcommand{@    }{@tempb}
1114 \eqcommand{@    }{@tempc}
1115 \eqcommand{@    }{@tempd}
1116 \eqcommand{@    }{@tempe}
1117 \eqcommand{@    }{@tempboxa}
1118 \eqcommand{@    }{@tempcnta}
1119 \eqcommand{@    }{@tempcntb}
1120 \eqcommand{@    }{@tempdima}
1121 \eqcommand{@    }{@tempdimb}
1122 \eqcommand{@    }{@tempdimc}
1123 \eqcommand{@    }{@tempskipa}
1124 \eqcommand{@    }{@tempskipb}
1125 \eqcommand{@    }{@tempwafalse}
1126 \eqcommand{@    }{@tempwatrue}
1127 \eqcommand{@    }{@temptokena}
1128 \eqcommand{    }{@thefnmark}
1129 \eqcommand{@    }{@thirdofthree}
1130 \eqcommand{    }{tabbingsep}
1131 \eqcommand{    }{tabcolsep}
1132 \eqcommand{    }{tableofcontents}
1133 \eqcommand{    }{tablename}
1134 \eqcommand{    }{tabskip}
1135 \eqcommand{    }{tabularnewline}
1136 \eqcommand{    }{tag}
1137 \eqcommand{    }{telephone}
1138 \eqcommand{    }{TeX}
1139 \eqcommand{    }{text}
1140 \eqcommand{    }{textbullet}
1141 \eqcommand{    }{textfont}
1142 \eqcommand{    }{textemdash}
1143 \eqcommand{    }{textendash}
1144 \eqcommand{    }{textexclamdown}
1145 \eqcommand{    }{textperiodcentered}
1146 \eqcommand{    }{textquestiondown}
1147 \eqcommand{    }{textquotedblleft}
1148 \eqcommand{    }{textquotedblright}
1149 \eqcommand{    }{textquoteleft}
1150 \eqcommand{    }{textquoteright}
1151 \eqcommand{    }{textvisiblespace}
1152 \eqcommand{    }{textbackslash}
1153 \eqcommand{    }{textbar}
1154 \eqcommand{    }{textgreater}
1155 \eqcommand{    }{textless}
1156 \eqcommand{    }{textbf}
1157 \eqcommand{    }{textcircled}

```



```

1158 \eqcommand{ }{textcolor}
1159 \eqcommand{ }{textcompwordmark}
1160 \eqcommand{ }{textfloatsep}
1161 \eqcommand{ }{textfraction}
1162 \eqcommand{ }{textheight}
1163 \eqcommand{ }{textindent}
1164 \eqcommand{ }{textit}
1165 \eqcommand{ }{textmd}
1166 \eqcommand{ }{textnormal}
1167 \eqcommand{ }{textregistered}
1168 \eqcommand{ }{textrm}
1169 \eqcommand{ }{textsc}
1170 \eqcommand{ }{textsf}
1171 \eqcommand{ }{textsl}
1172 \eqcommand{ }{textstyle}
1173 \eqcommand{ }{textsuperscript}
1174 \eqcommand{ }{texttrademark}
1175 \eqcommand{ }{texttt}
1176 \eqcommand{ }{textup}
1177 \eqcommand{ }{textwidth}
1178 \eqcommand{ }{thanks}
1179 \eqcommand{ }{the}
1180 \eqcommand{ }{thempfn}
1181 \eqcommand{ }{thicklines}
1182 \eqcommand{ }{thickmuskip}
1183 \eqcommand{ }{thinmuskip}
1184 \eqcommand{ }{thickspace}
1185 \eqcommand{ }{thinlines}
1186 \eqcommand{ }{thinspace}
1187 \eqcommand{ }{thisfancy page}
1188 \eqcommand{ }{thispagestyle}
1189 \eqcommand{ @}{thr@@}
1190 \eqcommand{ }{tilde}
1191 \eqcommand{ }{tiny}
1192 \eqcommand{ }{time}
1193 \eqcommand{ }{times}
1194 \eqcommand{ }{title}
1195 \eqcommand{ }{to}
1196 \eqcommand{ }{today}
1197 \eqcommand{ }{toks}
1198 \eqcommand{ }{toksdef}
1199 \eqcommand{ }{tolerance}
1200 \eqcommand{ }{top}
1201 \eqcommand{ }{topfigrule}
1202 \eqcommand{ }{topfraction}
1203 \eqcommand{ }{topmargin}
1204 \eqcommand{ }{topmark}
1205 \eqcommand{ }{toppageskip}
1206 \eqcommand{ }{topsep}
1207 \eqcommand{ }{topskip}

```



```

1208 \eqcommand{ }{totalheight}
1209 \eqcommand{ }{tracingall}
1210 \eqcommand{ }{tracingcommands}
1211 \eqcommand{ }{tracinglostchars}
1212 \eqcommand{ }{tracingmacros}
1213 \eqcommand{ }{tracingonline}
1214 \eqcommand{ }{tracingoutput}
1215 \eqcommand{ }{tracingpages}
1216 \eqcommand{ }{tracingparagraphs}
1217 \eqcommand{ }{tracingrestores}
1218 \eqcommand{ }{tracingstats}
1219 \eqcommand{ }{triangle}
1220 \eqcommand{ }{ttdefault}
1221 \eqcommand{ }{tffamily}
1222 \eqcommand{ @}{tw@}
1223 \eqcommand{ }{twocolumn}
1224 \eqcommand{ }{typein}
1225 \eqcommand{ }{typeout}
1226 \eqcommand{ }{uccode}
1227 \eqcommand{ }{uchyph}
1228 \eqcommand{ }{underline}
1229 \eqcommand{ }{unhbox}
1230 \eqcommand{ }{unhcopy}
1231 \eqcommand{ }{unitlength}
1232 \eqcommand{ }{unkern}
1233 \eqcommand{ }{unpenalty}
1234 \eqcommand{ }{unskip}
1235 \eqcommand{ }{unvbox}
1236 \eqcommand{ }{unvcopy}
1237 \eqcommand{ }{updefault}
1238 \eqcommand{ }{upshape}
1239 \eqcommand{ }{usebox}
1240 \eqcommand{ }{usecounter}
1241 \eqcommand{ }{usefont}
1242 \eqcommand{ }{usepackage}
1243 \eqcommand{ @}{@vobeyspaces}
1244 \eqcommand{ @}{@void}
1245 \eqcommand{ }{vadjust}
1246 \eqcommand{ }{valign}
1247 \eqcommand{ }{value}
1248 \eqcommand{ }{vbadness}
1249 \eqcommand{ }{vbox}
1250 \eqcommand{ }{vcenter}
1251 \eqcommand{ }{verb}
1252 \eqcommand{ }{vfil}
1253 \eqcommand{ }{vfill}
1254 \eqcommand{ }{vfilneg}
1255 \eqcommand{ }{vfuzz}
1256 \eqcommand{ }{visible}
1257 \eqcommand{ }{vline}

```



```

1258 \eqcommand{ }{\voffset}
1259 \eqcommand{ @ }{\voidb@x}
1260 \eqcommand{ }{\vpageref}
1261 \eqcommand{ }{\vrboxsep}
1262 \eqcommand{ }{\vref}
1263 \eqcommand{ }{\vrule}
1264 \eqcommand{ }{\vsize}
1265 \eqcommand{ }{\vskip}
1266 \eqcommand{ }{\vspace}
1267 \eqcommand{ }{\vsplit}
1268 \eqcommand{ }{\vss}
1269 \eqcommand{ }{\vtop}
1270 \eqcommand{ }{\wd}
1271 \eqcommand{ }{\whiledo}
1272 \eqcommand{ }{\widehat}
1273 \eqcommand{ }{\widetilde}
1274 \eqcommand{ }{\widowpenalty}
1275 \eqcommand{ }{\width}
1276 \eqcommand{ }{\wlog}
1277 \eqcommand{ }{\write}
1278 \eqcommand{@ }{\@xobeysp}
1279 \eqcommand{ @ }{\@xxxiii}
1280 \eqcommand{ }{\xdef}
1281 \eqcommand{ }{\xleaders}
1282 \eqcommand{ }{\xspaceskip}
1283 \eqcommand{ }{\year}
1284 \eqcommand{@ }{\z@}
1285 \eqcommand{@ }{\z@skip}

```

7.19 color-localise-xepersian.def

```

1286 color} \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1287 0}{rgb}{ } \0,,0}
1288 1}{rgb}{ } \1,,1}
1289 1}{rgb}{ } \0,,0}
1290 0}{rgb}{ } \1,,0}
1291 0}{rgb}{ } \0,,1}
1292 1}{cmyk}{ } \0,,0,0}
1293 0}{cmyk}{ } \1,,0,0}
1294 0}{cmyk}{ } \0,,1,0}

```

7.20 xepersian-localise-commands-xepersian.def

```

1295 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation o
1296 \eqcommand{ }{\autofooterule}
1297 \eqcommand{ }{\AutoMathsDigits}
1298 \eqcommand{ }{\DefaultMathsDigits}
1299 \eqcommand{ @ }{\keyval@eq@alias@key}
1300 \eqcommand{ }{\deflatinfont}
1301 \eqcommand{ }{\defpersianfont}
1302 \eqcommand{ }{\hboxL}

```



```

1303 \eqcommand{ }{hboxR}
1304 \eqcommand{ }{Latincite}
1305 \eqcommand{ }{latinfont}
1306 \eqcommand{ }{latintoday}
1307 \eqcommand{ }{leftfootnoterule}
1308 \eqcommand{ }{lr}
1309 \eqcommand{ }{LRE}
1310 \eqcommand{ }{LTRdblcol}
1311 \eqcommand{ }{LTRfootnote}
1312 \eqcommand{ }{LTRfootnotetext}
1313 \eqcommand{ }{LTRthanks}
1314 \eqcommand{ }{persianday}
1315 \eqcommand{ }{persianfont}
1316 \eqcommand{ }{PersianMathsDigits}
1317 \eqcommand{ }{persianmonth}
1318 \eqcommand{ }{persianyear}
1319 \eqcommand{ }{plq}
1320 \eqcommand{ }{prq}
1321 \eqcommand{ }{rightfootnoterule}
1322 \eqcommand{ }{rl}
1323 \eqcommand{ }{RLE}
1324 \eqcommand{ }{RTLdblcol}
1325 \eqcommand{ }{RTLfootnote}
1326 \eqcommand{ }{RTLfootnotetext}
1327 \eqcommand{ }{RTLthanks}
1328 \eqcommand{@ }{@SepMark}
1329 \eqcommand{ }{SepMark}
1330 \eqcommand{ }{setdefaultbibitems}
1331 \eqcommand{ }{setdefaultmarginpar}
1332 \eqcommand{ }{setdigitfont}
1333 \eqcommand{ }{setfootnoteLR}
1334 \eqcommand{ }{setfootnoteRL}
1335 \eqcommand{ }{setlatintextfont}
1336 \eqcommand{ }{setLTR}
1337 \eqcommand{ }{setLTRbibitems}
1338 \eqcommand{ }{setLTRmarginpar}
1339 \eqcommand{ }{setRTL}
1340 \eqcommand{ }{setRTLbibitems}
1341 \eqcommand{ }{setRTLmarginpar}
1342 \eqcommand{ }{settextfont}
1343 \eqcommand{ }{textwidthfootnoterule}
1344 \eqcommand{ }{twocolumnstableofcontents}
1345 \eqcommand{ }{unsetfootnoteRL}
1346 \eqcommand{ }{unsetLTR}
1347 \eqcommand{ }{unsetRTL}
1348 \eqcommand{ }{vboxL}
1349 \eqcommand{ }{vboxR}
1350 \eqcommand{ }{XeLaTeX}
1351 \eqcommand{ }{XePersian}
1352 \eqcommand{ }{xepersianversion}

```



```

1353 \eqcommand{          }{xepersiandate}
1354 \eqcommand{  }{XeTeX}

```

7.21 enumerate-xepersian.def

```

1355 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1356 \def\@enloop@{%
1357   \ifx @temp@          \def\@tempa{\@enLabel\harfi } \else
1358   \ifx @temp@          \def\@tempa{\@enLabel\adadi } \else
1359   \ifx @temp@          \def\@tempa{\@enLabel\tartibi } \else
1360   \ifx A \@temp        \def\@tempa{\@enLabel\Alph } \else
1361   \ifx a \@temp        \def\@tempa{\@enLabel\alph } \else
1362   \ifx i \@temp        \def\@tempa{\@enLabel\roman } \else
1363   \ifx I \@temp        \def\@tempa{\@enLabel\Roman } \else
1364   \ifx 1 \@temp        \def\@tempa{\@enLabel\arabic} \else
1365   \ifx \@sptoken \@temp \let\@tempa \@enSpace      \else
1366   \ifx \@bgroup \@temp \let\@tempa \@enGroup       \else
1367   \ifx \@enum@ \@temp  \let\@tempa \@gobble        \else
1368                                     \let\@tempa \@enOther
1369                                     \@enhook
1370   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1371   \@tempa}

```

7.22 latex-localise-environments-xepersian.def

```

1372 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation o
1373 \eqenvironment{  }{abstract}
1374 \eqenvironment{  }{appendix}
1375 \eqenvironment{  }{array}
1376 \eqenvironment{  }{center}
1377 \eqenvironment{  }{description}
1378 \eqenvironment{  }{displaymath}
1379 \eqenvironment{  }{document}
1380 \eqenvironment{  }{enumerate}
1381 \eqenvironment{  }{figure}
1382 \eqenvironment{ *}{figure*}
1383 \eqenvironment{  }{filecontents}
1384 \eqenvironment{ *}{filecontents*}
1385 \eqenvironment{  }{flushleft}
1386 \eqenvironment{  }{flushright}
1387 \eqenvironment{  }{itemize}
1388 \eqenvironment{  }{letter}
1389 \eqenvironment{  }{list}
1390 \eqenvironment{  }{longtable}
1391 \eqenvironment{  }{lrbox}
1392 \eqenvironment{  }{math}
1393 \eqenvironment{  }{matrix}
1394 \eqenvironment{  }{minipage}
1395 \eqenvironment{  }{multline}
1396 \eqenvironment{  }{note}
1397 \eqenvironment{  }{overlay}

```



```

1398 \eqenvironment{   }{picture}
1399 \eqenvironment{   }{quotation}
1400 \eqenvironment{   }{quote}
1401 \eqenvironment{   }{slide}
1402 \eqenvironment{   }{sloppypar}
1403 \eqenvironment{   }{split}
1404 \eqenvironment{   }{subarray}
1405 \eqenvironment{   }{tabbing}
1406 \eqenvironment{   }{table}
1407 \eqenvironment{ *}{table*}
1408 \eqenvironment{   }{tabular}
1409 \eqenvironment{ *}{tabular*}
1410 \eqenvironment{   }{thebibliography}
1411 \eqenvironment{   }{theindex}
1412 \eqenvironment{   }{titlepage}
1413 \eqenvironment{   }{trivlist}
1414 \eqenvironment{   }{verse}

```

7.23 xepersian-localise-environments-xepersian.def

```

1415 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisati
1416 \eqenvironment{   }{latin}
1417 \eqenvironment{   }{LTR}
1418 \eqenvironment{   }{LTRitems}
1419 \eqenvironment{   }{modernpoem}
1420 \eqenvironment{ *}{modernpoem*}
1421 \eqenvironment{   }{persian}
1422 \eqenvironment{   }{RTL}
1423 \eqenvironment{   }{RTLitems}
1424 \eqenvironment{   }{traditionalpoem}
1425 \eqenvironment{ *}{traditionalpoem*}

```

7.24 extarticle-xepersian.def

```

1426 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1427 \renewcommand\thepart      {\@tartibi\c@part}
1428 \renewcommand\appendix{\par
1429   \setcounter{section}{0}%
1430   \setcounter{subsection}{0}%
1431   \gdef\thesection{\@harfi\c@section}}

```

7.25 extbook-xepersian.def

```

1432 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1433 \renewcommand\frontmatter{%
1434   \cleardoublepage
1435   \@mainmatterfalse
1436   \pagenumbering{harfi}}
1437 \renewcommand \thepart {\@tartibi\c@part}
1438 \renewcommand\appendix{\par
1439   \setcounter{chapter}{0}%
1440   \setcounter{section}{0}%

```



```

1441 \gdef\chapapp{\appendixname}%
1442 \gdef\thechapter{\@harfi\c@chapter}
1443 }%end appendix

```

7.26 extrafootnotefeatures-xepersian.def

```

1444 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafoot
1445 \renewcommand{\foottextfont}{\footnotesize\ifRTL@footnote\else\latinfont\fi}
1446 \renewcommand{\LTRfoottextfont}{\footnotesize\latinfont}
1447 \renewcommand{\RTLfoottextfont}{\footnotesize\persianfont}

```

7.27 extreport-xepersian.def

```

1448 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1449 \renewcommand\thepart      {\@tartibi\c@part}
1450 \renewcommand\appendix{\par
1451 \setcounter{chapter}{0}%
1452 \setcounter{section}{0}%
1453 \gdef\chapapp{\appendixname}%
1454 \gdef\thechapter{\@harfi\c@chapter}}

```

7.28 flowfram-xepersian.def

```

1455 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1456 \def\@outputpage{%
1457 \begingroup
1458 \let\protect\noexpand
1459 \@resetactivechars
1460 \global\let\@if@newlist\if@newlist
1461 \global\@newlistfalse\@parboxrestore
1462 \shipout\vbox{\set@typeset@protect
1463 \aftergroup
1464 \endgroup
1465 \aftergroup
1466 \set@typeset@protect
1467 \reset@font\normalsize\normalsfcodes
1468 \let\label@gobble
1469 \let\index@gobble
1470 \let\glossary@gobble
1471 \baselineskip\z@skip
1472 \lineskip\z@skip
1473 \lineskiplimit\z@
1474 \vskip\topmargin\moveright\@themargin
1475 \vbox{%
1476 \vskip\headheight
1477 \vskip\headsep
1478 \box\@outputbox
1479 }}%
1480 \global\let\if@newlist\@if@newlist
1481 \stepcounter{page}%
1482 \setcounter{displayedframe}{0}%
1483 \let\firstmark\botmark}

```



7.29 footnote-xepersian.def

```
1484 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1485
1486
1487
1488 \long\def\@footnotetext#1{\insert\footins{%
1489   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1490   \reset@font\footnotesize
1491   \interlinepenalty\interfootnotelinepenalty
1492   \splittopskip\footnotesep
1493   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1494   \hsize\columnwidth \@parboxrestore
1495   \protected@edef\@currentlabel{%
1496     \csname p@footnote\endcsname\@thefnmark
1497   }%
1498   \color@begingroup
1499     \makefntext{%
1500       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutbox}%
1501     \color@endgroup}}%
1502
1503
1504
1505
1506
1507 \long\def\@RTLfootnotetext#1{\insert\footins{%
1508   \@RTLtrue%
1509   \reset@font\footnotesize
1510   \interlinepenalty\interfootnotelinepenalty
1511   \splittopskip\footnotesep
1512   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1513   \hsize\columnwidth \@parboxrestore
1514   \protected@edef\@currentlabel{%
1515     \csname p@footnote\endcsname\@thefnmark
1516   }%
1517   \color@begingroup
1518     \makefntext{%
1519       \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1520     \color@endgroup}}%
1521
1522
1523
1524
1525
1526 \long\def\@LTRfootnotetext#1{\insert\footins{%
1527   \@RTLfalse%
1528   \reset@font\footnotesize
1529   \interlinepenalty\interfootnotelinepenalty
1530   \splittopskip\footnotesep
1531   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
```



```

1532 \hsize\columnwidth \@parboxrestore
1533 \protected@edef\@currentlabel{%
1534   \csname p@footnote\endcsname\@thefnmark
1535 }%
1536 \color@begingroup
1537   \@makefntext{%
1538     \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1539 \color@endgroup}}%
1540
1541 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1542 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1543 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1544
1545
1546
1547 \long\def\@mpfootnotetext#1{%
1548 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
1549 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1550   \unvbox\@mpfootins
1551   \reset@font\footnotesize
1552   \hsize\columnwidth
1553   \@parboxrestore
1554   \protected@edef\@currentlabel
1555     {\csname p@mpfootnote\endcsname\@thefnmark}}%
1556 \color@begingroup
1557   \@makefntext{%
1558     \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strut
1559   \color@endgroup}}
1560
1561
1562
1563
1564
1565 \long\def\@mpRTLfootnotetext#1{%
1566 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
1567 \global\setbox\@mpfootins\vbox{\@RTLtrue%
1568   \unvbox\@mpfootins
1569   \reset@font\footnotesize
1570   \hsize\columnwidth
1571   \@parboxrestore
1572   \protected@edef\@currentlabel
1573     {\csname p@mpfootnote\endcsname\@thefnmark}}%
1574 \color@begingroup
1575   \@makefntext{%
1576     \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1577 \color@endgroup}}
1578
1579
1580 \long\def\@mpLTRfootnotetext#1{%
1581 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot

```



```

1582 \global\setbox\@mpfootins\vbox{\@RTLfalse%
1583 \unvbox\@mpfootins
1584 \reset@font\footnotesize
1585 \hsize\columnwidth
1586 \@parboxrestore
1587 \protected@edef\@currentlabel
1588     {\csname p@mpfootnote\endcsname\@thefnmark}%
1589 \color@begingroup
1590     \@makefntext{%
1591     \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1592 \color@endgroup}}

```

7.30 framed-xepersian.def

```

1593 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package for
1594 \renewenvironment{titled-frame}[1]{%
1595     \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1596     \TitleBarFrame{\textbf{#1}}}%
1597     \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1598     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1599     \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1600     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@RTL
1601     \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1602     \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1603     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1604 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1605 % could interfere with the width measurement.
1606 {\endMakeFramed}

```

7.31 glossaries-xepersian.def

```

1607 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries pac
1608 \glsaddprotectedpagefmt{@harfi}
1609 \glsaddprotectedpagefmt{@tartibi}
1610 \glsaddprotectedpagefmt{@adadi}

```

7.32 hyperref-xepersian.def

```

1611 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1612 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1613 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1614 \def\itemautorefname{\if@RTL else\ item\fi}%
1615 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1616 \def\tableautorefname{\if@RTL else\ Table\fi}%
1617 \def\partautorefname{\if@RTL else\ Part\fi}%
1618 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1619 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1620 \def\sectionautorefname{\if@RTL else\ section\fi}%
1621 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1622 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1623 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1624 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%

```



```

1625 \def\FancyVerblineautorefname{\if@RTL else\ line\fi}%
1626 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1627 \def\pageautorefname{\if@RTL else\ page\fi}%
1628 \AtBeginDocument{%
1629 \let\HyOrg@appendix\appendix
1630 \def\appendix{%
1631 \ltx@ifundefined{chapter}%
1632 {\gdef\theHsection{\Alph{section}}}%
1633 {\gdef\theHchapter{\Alph{chapter}}}%
1634 \xdef\Hy@chapapp{\Hy@appendixstring}%
1635 \HyOrg@appendix
1636 }
1637 }
1638 \pdfstringdefDisableCommands{%
1639 \let\lr\@firstofone
1640 \let\rl\@firstofone
1641 \def\XePersian{XePersian}
1642 }
1643 \ltx@ifundefined{@resets@pp}{%
1644 }{%
1645 \let\HyOrg@resets@pp\@resets@pp
1646 \def\@resets@pp{%
1647 \ltx@ifundefined{chapter}{%
1648 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1649 }{%
1650 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1651 }%
1652 \xdef\Hy@chapapp{\Hy@appendixstring}%
1653 \HyOrg@resets@pp
1654 }%
1655 }

```

7.33 imspoc-xepersian.def

```

1656 \ProvidesFile{imspoc-xepersian.def}[2015/12/07 v0.4 implementation of imspoc class for xepersian]
1657 \newenvironment{thebibliography}[1]{%
1658 \@bibtitlestyle
1659 \normalfont\bibliofont\labelsep .5em\relax
1660 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
1661 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1662 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
1663 \leftmargin\labelwidth \advance\leftmargin\labelsep
1664 \usecounter{enumiv}}%
1665 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1666 \sfcode`\.=\@m
1667 }{%
1668 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1669 \endlist
1670 }
1671 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi

```



```

1672 \columnseprule\z@ \columnsep 35\p@
1673 \@indextitlestyle
1674 \thispagestyle{plain}%
1675 \let\item\@idxitem
1676 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1677 \if@RTL\raggedleft\else\raggedright\fi
1678 \hyphenpenalty\@M
1679 \footnotesize}
1680 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
1681 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
1682 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
1683 \renewcommand \thepart {\@tartibi\c@part}
1684 \def\appendix{\par\c@section\z@ \c@subsection\z@
1685 \let\sectionname\appendixname
1686 \def\thesection{\@harfi\c@section}}
1687 \def\right@footnoterule{%
1688 \kern-.4\p@
1689 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
1690 \kern11\p@\kern-\footnotesep}
1691 \def\left@footnoterule{\kern-.4\p@
1692 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1693 \def\@makefnmark{%
1694 \leavevmode
1695 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
1696 }
1697
1698
1699
1700 \long\def\@footnotetext#1{%
1701 \insert\footins{%
1702 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1703 \normalfont\footnotesize
1704 \interlinepenalty\interfootnotelinepenalty
1705 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1706 \floatingpenalty\@MM \hsize\columnwidth
1707 \@parboxrestore \parindent\normalparindent \sloppy
1708 \protected@edef\@currentlabel{%
1709 \csname p@footnote\endcsname\@thefnmark}%
1710 \@makefnmark}%
1711 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
1712
1713
1714
1715
1716
1717 \long\def\@RTLfootnotetext#1{%
1718 \insert\footins{%
1719 \@RTLtrue%
1720 \normalfont\footnotesize
1721 \interlinepenalty\interfootnotelinepenalty

```



```

1722 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1723 \floatingpenalty\@MM \hsize\columnwidth
1724 \@parboxrestore \parindent\normalparindent \sloppy
1725 \protected@edef\@currentlabel{%
1726   \csname p@footnote\endcsname\@thefnmark}%
1727 \@makefntext{%
1728   \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}
1729
1730
1731
1732
1733
1734
1735
1736 \long\def\@LTRfootnotetext#1{%
1737   \insert\footins{%
1738     \@RTLfalse%
1739     \normalfont\footnotesize
1740     \interlinepenalty\interfootnotelinepenalty
1741     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1742     \floatingpenalty\@MM \hsize\columnwidth
1743     \@parboxrestore \parindent\normalparindent \sloppy
1744     \protected@edef\@currentlabel{%
1745       \csname p@footnote\endcsname\@thefnmark}%
1746     \@makefntext{%
1747       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
1748
1749 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\bidi@footdir@footnote}
1750 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1751 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1752
1753 \def\part{\@startsection{part}{0}%
1754   \z@\{\linespacing\@plus\linespacing}\.5\linespacing}%
1755   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1756 \def\@tocline#1#2#3#4#5#6#7{\relax
1757   \ifnum #1>\c@tocdepth % then omit
1758   \else
1759     \par \addpenalty\@secpenalty\addvspace{#2}%
1760     \begingroup \hyphenpenalty\@M
1761     \@ifempty{#4}{%
1762       \@tempdima\csname r@tocindent\@number#1\endcsname\relax
1763     }{%
1764       \@tempdima#4\relax
1765     }%
1766     \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\left
1767     \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1768     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1769     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1770     \nobreak
1771     \endgroup

```



```

1772 \fi}
1773 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1774 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1775 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1776 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1777 \def\maketitle{\par
1778 \@topnum\z@ % this prevents figures from falling at the top of page 1
1779 \@setcopyright
1780 \thispagestyle{firstpage}% this sets first page specifications
1781 \uppercase\nonmath\shorttitle
1782 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1783 \else \andify\shortauthors
1784 \fi
1785 \@maketitle@hook
1786 \begingroup
1787 \@maketitle
1788 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
1789 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
1790 \edef\@tempa{%
1791 \@nx\markboth{\the\toks4
1792 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1793 \@tempa
1794 \endgroup
1795 \c@footnote\z@
1796 \cleartopmattertags
1797 }

```

7.34 kashida-xepersian.def

```

1798 \ProvidesFile{kashida-xepersian.def}[2016/05/03 v0.4 implementation of Kashida for xepersian pack
1799 \chardef\xepersian@zwj="200D % zero-width joiner
1800
1801 \chardef\xepersian@D=10 % dual-joiner class
1802 \chardef\xepersian@L=11 % lam
1803 \chardef\xepersian@R=12 % right-joiner
1804 \chardef\xepersian@A=13 % alef
1805 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1806 \def\xepersian@kashida{\xepersian@zwj\nobreak%
1807 \leaders\hrule height \XeTeXglyphbounds2 \the\XeTeXcharglyph"0640 depth \XeTeXglyphbounds4 \
1808
1809 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1810 \expandafter\dosetclass\charlist,\end}
1811 \def\dosetclass#1,#2\end{%
1812 \def\test{#1}\def\charlist{#2}%
1813 \ifx\test\empty\let\next\finishsetclass
1814 \else \XeTeXcharclass "\test = \theclass
1815 \let\next\dosetclass \fi
1816 \expandafter\next\charlist,,\end}
1817 \def\finishsetclass#1,,\end{}
1818

```



```

1819 \setclass \xepersian@A {0622,0623,0625,0627}
1820 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1821 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1822 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1823 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1824 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1825 \setclass \xepersian@L {0644}
1826 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1827
1828 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1829 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1830 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1831 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1832 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1833 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1834 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1835 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1836
1837 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
1838 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
1839 \KashidaOn

```

7.35 listings-xepersian.def

```

1840 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1841 \def\lstlistingname{\if@RTL else\ Listing\fi}
1842 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

7.36 loadingorder-xepersian.def

```

1843 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the last]
1844 \bidi@isloaded{algorithmic}
1845 \bidi@isloaded{algorithm}
1846 \bidi@isloaded{backref}
1847 \bidi@isloaded{enumerate}
1848 \bidi@isloaded{tocloft}
1849 \bidi@isloaded{url}
1850 \AtBeginDocument{
1851   \if@bidi@algorithmicloaded@else
1852     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1853   \fi%
1854   \if@bidi@algorithmloaded@else
1855     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1856   \fi%
1857   \if@bidi@backrefloaded@else
1858     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1859   \fi%
1860   \if@bidi@enumerateloaded@else
1861     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1862   \fi%
1863   \if@bidi@tocloftloaded@else

```



```

1864 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian
1865 \fi%
1866 \if@bidi@urlloaded@else
1867 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian pack
1868 \fi%
1869 }

```

7.37 localise-xepersian.def

```

1870 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1871 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1872 \makezwnjletter
1873 \newcommand*\eqcommand[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1874 \newcommand*\eqenvironment[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1875 \@ifpackageloaded{keyval}{%
1876 \newcommand*\keyval@eq@alias@key[4][KV]{%
1877 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1878 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1879 }{\@ifpackageloaded{xkeyval}{%
1880 \newcommand*\keyval@eq@alias@key[4][KV]{%
1881 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1882 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1883 }{}}
1884 \input{latex-localise-commands-xepersian.def}
1885 \input{xepersian-localise-commands-xepersian.def}
1886 \input{latex-localise-environments-xepersian.def}
1887 \input{xepersian-localise-environments-xepersian.def}
1888 \input{latex-localise-messages-xepersian.def}
1889 \input{latex-localise-misc-xepersian.def}
1890 \input{packages-localise-xepersian.def}
1891 \aliasfontfeature{ExternalLocation}{ }
1892 \aliasfontfeature{ExternalLocation}{ }
1893 \aliasfontfeature{Renderer}{ }
1894 \aliasfontfeature{BoldFont}{ }
1895 \aliasfontfeature{Language}{ }
1896 \aliasfontfeature{Script}{ }
1897 \aliasfontfeature{UprightFont}{ }
1898 \aliasfontfeature{ItalicFont}{ }
1899 \aliasfontfeature{BoldItalicFont}{ }
1900 \aliasfontfeature{SlantedFont}{ }
1901 \aliasfontfeature{BoldSlantedFont}{ }
1902 \aliasfontfeature{SmallCapsFont}{ }
1903 \aliasfontfeature{UprightFeatures}{ }
1904 \aliasfontfeature{BoldFeatures}{ }
1905 \aliasfontfeature{ItalicFeatures}{ }
1906 \aliasfontfeature{BoldItalicFeatures}{ }
1907 \aliasfontfeature{SlantedFeatures}{ }
1908 \aliasfontfeature{BoldSlantedFeatures}{ }
1909 \aliasfontfeature{SmallCapsFeatures}{ }
1910 \aliasfontfeature{SizeFeatures}{ }

```



```

1911 \aliasfontfeature{Scale}{ }
1912 \aliasfontfeature{WordSpace}{ }
1913 \aliasfontfeature{PunctuationSpace}{ }
1914 \aliasfontfeature{FontAdjustment}{ }
1915 \aliasfontfeature{LetterSpace}{ }
1916 \aliasfontfeature{HyphenChar}{ }
1917 \aliasfontfeature{Color}{ }
1918 \aliasfontfeature{Opacity}{ }
1919 \aliasfontfeature{Mapping}{ }
1920 \aliasfontfeature{Weight}{ }
1921 \aliasfontfeature{Width}{ }
1922 \aliasfontfeature{OpticalSize}{ }
1923 \aliasfontfeature{FakeSlant}{ }
1924 \aliasfontfeature{FakeStretch}{ }
1925 \aliasfontfeature{FakeBold}{ }
1926 \aliasfontfeature{AutoFakeSlant}{ }
1927 \aliasfontfeature{AutoFakeBold}{ }
1928 \aliasfontfeature{Ligatures}{ }
1929 \aliasfontfeature{Alternate}{ }
1930 \aliasfontfeature{Variant}{ }
1931 \aliasfontfeature{Variant}{ }
1932 \aliasfontfeature{CharacterVariant}{ }
1933 \aliasfontfeature{Style}{ }
1934 \aliasfontfeature{Annotation}{ }
1935 \aliasfontfeature{RawFeature}{ }
1936 \aliasfontfeature{CharacterWidth}{ }
1937 \aliasfontfeature{Numbers}{ }
1938 \aliasfontfeature{Contextuals}{ }
1939 \aliasfontfeature{Diacritics}{ }
1940 \aliasfontfeature{Letters}{ }
1941 \aliasfontfeature{Kerning}{ }
1942 \aliasfontfeature{VerticalPosition}{ }
1943 \aliasfontfeature{Fractions}{ }
1944 \aliasfontfeatureoption{Language}{Default}{ }
1945 \aliasfontfeatureoption{Language}{Parsi}{ }
1946 \aliasfontfeatureoption{Script}{Parsi}{ }
1947 \aliasfontfeatureoption{Script}{Latin}{ }
1948 \aliasfontfeatureoption{Style}{MathScript}{ }
1949 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

7.38 memoir-xepersian.def

```

1950 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1951 \renewcommand{\@memfront}{%
1952   \@smemfront\pagenumbering{harfi}}
1953 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1954 \renewcommand*{\thebook}{\@tartibi\c@book}
1955 \renewcommand*{\thepart}{\@tartibi\c@part}
1956 \renewcommand{\appendix}{\par
1957   \setcounter{chapter}{0}}%

```



```

1958 \setcounter{section}{0}%
1959 \gdef\@chapapp{\appendixname}%
1960 \gdef\thechapter{\@harfi\c@chapter}%
1961 \anappendixtrue}

```

7.39 latex-localise-messages-xepersian.def

```

1962 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

7.40 minitoc-xepersian.def

```

1963 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1964 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1965 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1966 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1967 \def\mtctitle{\if@RTL else\ Contents\fi}%
1968 \def\mlftitle{\if@RTL else\ Figures\fi}%
1969 \def\mltttitle{\if@RTL else\ Tables\fi}%
1970 \def\stctitle{\if@RTL else\ Contents\fi}%
1971 \def\slftitle{\if@RTL else\ Figures\fi}%
1972 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

7.41 latex-localise-misc-xepersian.def

```

1973 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisation]
1974 %}1# \ \
1975 \@ \ \ @ \ \
1976 \1# \
1977 \1# @\
1978 \1# @\
1979 {@ \ \
1980 %}2#1# @\ \
1981 %1# \ \ @\ \ \ \ \
1982 \2# \ \ @\ \
1983 {{2#1# \}}
1984 undefined\ \ \
1985
1986 %{\ \ \ \ \1#} \ \} \1# \ \
1987 \ \ { \ \ \
1988 \ \ \
1989
1990
1991 \ \ \ \%} \#1
1992 \1#} \ \ \% \
1993 \ \ \ \
1994 }%
1995 \
1996 \ \ \
1997 }
1998 \= \ \
1999
2000

```



```

2001 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
2002 \def\@xfloat #1[#2]{%
2003   \nodocument
2004   \def \@capttype {#1}%
2005   \def \@fps {#2}%
2006   \@onelevel@sanitize \@fps
2007   \def \reserved@b {!}%
2008   \ifx \reserved@b \@fps
2009     \fpsaddefault
2010   \else
2011     \ifx \@fps \@empty
2012       \fpsaddefault
2013     \fi
2014   \fi
2015   \ifhmode
2016     \@bsphack
2017     \@floatpenalty -\@Mii
2018   \else
2019     \@floatpenalty-\@Miii
2020   \fi
2021   \ifinner
2022     \@parmoderr\@floatpenalty\z@
2023   \else
2024     \@next\@currbox\@freelist
2025     {%
2026       \@tempcnta \sixt@@n
2027       \expandafter \@tfor \expandafter \reserved@a
2028       \expandafter : \expandafter =\@fps
2029       \do
2030       {%
2031         \if \reserved@a h%
2032           \ifodd \@tempcnta
2033         \else
2034           \advance \@tempcnta \@ne
2035         \fi
2036       \fi
2037       \if \reserved@a %
2038         \ifodd \@tempcnta
2039       \else
2040         \advance \@tempcnta \@ne
2041       \fi
2042     \fi
2043     \if \reserved@a t%
2044       \@setfpsbit \tw@
2045     \fi
2046     \if \reserved@a %
2047       \@setfpsbit \tw@
2048     \fi
2049     \if \reserved@a b%
2050       \@setfpsbit 4%

```



```

2051         \fi
2052         \if \reserved@a %
2053             \@setfpsbit 4%
2054         \fi
2055         \if \reserved@a p%
2056             \@setfpsbit 8%
2057         \fi
2058         \if \reserved@a %
2059             \@setfpsbit 8%
2060         \fi
2061         \if \reserved@a !%
2062             \ifnum \@tempcnta>15
2063                 \advance\@tempcnta -\sixt@n\relax
2064             \fi
2065         \fi
2066     }%
2067     \@tempcntb \csname ftype@\@capytype \endcsname
2068     \multiply \@tempcntb \@xxxii
2069     \advance \@tempcnta \@tempcntb
2070     \global \count\@currbox \@tempcnta
2071     }%
2072     \@fltovf
2073 \fi
2074 \global \setbox\@currbox
2075     \color@vbox
2076     \normalcolor
2077     \vbox \bgroup
2078         \hsize\columnwidth
2079         \@parboxrestore
2080     \@floatboxreset
2081 }
2082 \let\bm@ \bm@c
2083 \let\bm@ \bm@l
2084 \let\bm@ \bm@r
2085 \let\bm@ \bm@b
2086 \let\bm@ \bm@t
2087 \let\bm@ \bm@s
2088 \long\def\@iiiparbox#1#2[#3]#4#5{%
2089     \leavevmode
2090     \@pboxswfalse
2091     \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2092     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\fi
2093     \setlength\@tempdima{#4}%
2094     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
2095     \ifx\relax#2\else
2096         \setlength\@tempdimb{#2}%
2097         \edef\@parboxto{to\the\@tempdimb}%
2098     \fi
2099     \if#1b\vbox
2100     \else\if#1 \vbox

```



```

2101 \else\if #1t\vtop
2102 \else\if vtop\ #1
2103 \else\ifmmode\vcenter
2104 \else\@pboxswtrue $\vcenter
2105 \fi\fi\fi\fi\fi
2106 \@parboxto{\let\hss\vss\let\unhbox\unvbox
2107 \csname bm@#3\endcsname}%
2108 \if@pboxsw \m@th$\fi
2109 \@end@tempboxa}
2110 \def\@iiiminipage#1#2[#3]#4{%
2111 \leavevmode
2112 \@pboxswfalse
2113 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2114 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
2115 \setlength\@tempdima{#4}%
2116 \def\@mpargs{#{1}#{2}#{3}#{4}}%
2117 \setbox\@tempboxa\vbox\bgroup
2118 \color@begingroup
2119 \hsize\@tempdima
2120 \textwidth\hsize \columnwidth\hsize
2121 \@parboxrestore
2122 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2123 \let\@footnotetext\@mpfootnotetext
2124 \let\@LTRfootnotetext\@mpLTRfootnotetext
2125 \let\@RTLfootnotetext\@mpRTLfootnotetext
2126 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2127 \@minipagerestore
2128 \@setminipage}
2129 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2130 \ifnum \@lastchclass=3 5 \else
2131 \z@ \if #1c\@chnum \z@ \else
2132 \if chnum@ \ #1 \z@ \else
2133 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2134 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2135 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2136 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2137 \@chclass \if #1|\@ne \else
2138 \if #1@\tw@ \else
2139 \if #1p3 \else
2140 \if 3 #1 \else \z@ \@preamerr 0\fi
2141 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2142 \fi}%
2143 }{}
2144 \@ifdefinitionfileloaded{array-xetex-bidi}{%
2145 \def\@testpach{\@chclass
2146 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2147 \ifnum \@lastchclass=7 5 \else
2148 \ifnum \@lastchclass=8 \tw@ \else
2149 \ifnum \@lastchclass=9 \thr@@
2150 \else \z@

```



```

2151 \ifnum \@lastchclass = 10 \else
2152 \edef\@nextchar{\expandafter\string\@nextchar}%
2153 \@chnum
2154 \if \@nextchar c\z@ \else
2155 \if \@nextchar @z\ \else
2156 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2157 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2158 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2159 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2160 \z@ \@chclass
2161 \if\@nextchar |\@ne \else
2162 \if \@nextchar !6 \else
2163 \if \@nextchar @7 \else
2164 \if \@nextchar <8 \else
2165 \if \@nextchar >9 \else
2166 10
2167 \@chnum
2168 \if \@nextchar m\thr@@\else
2169 \if \@nextchar thr@@\else\
2170 \if \@nextchar p4 \else
2171 \if \@nextchar 4 \else
2172 \if \@nextchar b5 \else
2173 \if \@nextchar 5 \else
2174 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
2175 \fi \fi}%
2176 }{}
2177 \@ifdefinitionfileloaded{arydshln-xetex-bidi}{
2178 \ifadl@usingarypkg
2179 \def\@testpach{\@chclass
2180 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2181 \ifnum \@lastchclass=7 5 \else
2182 \ifnum \@lastchclass=8 \tw@ \else
2183 \ifnum \@lastchclass=9 \thr@@
2184 \else \z@
2185 \ifnum \@lastchclass = 10 \else
2186 \edef\@nextchar{\expandafter\string\@nextchar}%
2187 \@chnum
2188 \if \@nextchar c\z@ \else
2189 \if \@nextchar @z\ \else
2190 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2191 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2192 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2193 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2194 \z@ \@chclass
2195 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2196 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
2197 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
2198 \if \@nextchar !6 \else
2199 \if \@nextchar @7 \else
2200 \if \@nextchar <8 \else

```



```

2201     \if \@nextchar >9 \else
2202 10
2203 \@chnum
2204 \if \@nextchar m\thr@@\else
2205 \if \@nextchar thr@@\else\
2206 \if \@nextchar p4 \else
2207 \if \@nextchar 4 \else
2208 \if \@nextchar b5 \else
2209 \if \@nextchar 5 \else
2210 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2211 \fi \fi
2212
2213 \def\@classz{\@classx
2214 \@tempcnta \count@
2215 \prepnext@tok
2216 \@addtopreamble{\ifcase \@chnum
2217 \hfil
2218 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2219 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2220 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2221 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2222 \adl@endmbox\or
2223 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2224 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2225 \fi}\prepnext@tok}
2226 \def\adl@class@start{4}
2227 \def\adl@class@iiiiorvii{7}
2228
2229 \else
2230 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2231 \ifnum \@lastchclass=\thr@@ 5\relax \else
2232 \z@ \if #1c\@chnum \z@ \else
2233 \if @chnum\z@\ #1 \else
2234 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2235 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2236 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2237 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2238 \@chclass
2239 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2240 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2241 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2242 \if #1@ \tw@ \else
2243 \if #1p\thr@@ \else
2244 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2245 \fi \fi
2246
2247 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2248 \or \or \@addamp \or
2249 \@acolampacol \or \@firstampfalse \@acol \fi
2250 \edef\@preamble{\@preamble

```



```

2251         \ifcase \@chnum
2252             \hfil\adl@putlrc{\relax\@sharp$}\hfil
2253             \or \adl@putlrc{\relax\@sharp$}\hfil
2254             \or \hfil\adl@putlrc{\relax\@sharp$}\fi}}
2255 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2256     \or \or \@addamp \or
2257     \@acolampacol \or \@firstampfalse \@acol \fi
2258 \edef\@preamble{\@preamble
2259 \ifcase \@chnum
2260     \hfil\adl@putlrc{\@sharp\unskip}\hfil
2261     \or \adl@putlrc{\@sharp\unskip}\hfil
2262     \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2263 \def\adl@class@start{6}
2264 \def\adl@class@iiiorvii{3}
2265 \fi
2266 }{}
2267 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2268 \def\@testpach{\@chclass
2269 \ifnum \@lastchclass=6 \one \@chnum \one \else
2270 \ifnum \@lastchclass=7 5 \else
2271 \ifnum \@lastchclass=8 \tw@ \else
2272 \ifnum \@lastchclass=9 \thr@@
2273 \else \z@
2274 \ifnum \@lastchclass = 10 \else
2275 \edef\@nextchar{\expandafter\string\@nextchar}%
2276 \@chnum
2277 \if \@nextchar c\z@ \else
2278 \if \@nextchar @z\ \else
2279 \if \@nextchar \if@RTLtab r\else l\fi\one \else
2280 \if \@nextchar \if@RTLtab else\ fi\one\ \else
2281 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2282 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2283 \if \@nextchar C7 \else
2284 \if \@nextchar 7 \else
2285 \if \@nextchar L8 \else
2286 \if \@nextchar 8 \else
2287 \if \@nextchar R9 \else
2288 \if \@nextchar 9 \else
2289 \if \@nextchar J10 \else
2290 \if \@nextchar 10 \else
2291 \z@ \@chclass
2292 \if\@nextchar |\@one \else
2293 \if \@nextchar !6 \else
2294 \if \@nextchar @7 \else
2295 \if \@nextchar <8 \else
2296 \if \@nextchar >9 \else
2297 10
2298 \@chnum
2299 \if \@nextchar m\thr@@\else
2300 \if \@nextchar thr@@\else\

```




```

2348 \let\citeyearpar=\citeyear
2349 \let\NAT@space\relax
2350 \def\NAT@super@kern{\kern\p@}%
2351 \else
2352 \let\NAT@mbox=\mbox
2353 \let\@cite\NAT@citenum
2354 \let\NAT@space\NAT@spacechar
2355 \let\NAT@super@kern\relax
2356 \fi
2357 \let\@citex\NAT@citexnum
2358 \let\@Latincitex\NAT@Latin@citexnum
2359 \let\@biblabel\NAT@biblabelnum
2360 \let\@bibsetup\NAT@bibsetnum
2361 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2362 \def\natexlab##1{%
2363 \def\NAT@penalty{\penalty\@m}%
2364 \else
2365 \let\@cite\NAT@cite
2366 \let\@citex\NAT@citex
2367 \let\@Latincitex\NAT@Latin@citex
2368 \let\@biblabel\NAT@biblabel
2369 \let\@bibsetup\NAT@bibsetup
2370 \let\NAT@space\NAT@spacechar
2371 \let\NAT@penalty\@empty
2372 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2373 \def\natexlab##1{##1}%
2374 \fi}
2375 \newcommand\NAT@Latin@citex{}
2376 \def\NAT@Latin@citex%
2377 [#1][#2]#3{%
2378 \NAT@reset@parser
2379 \NAT@sort@cites{#3}%
2380 \NAT@reset@citea
2381 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2382 \@for\@citeb:=\NAT@cite@list\do
2383 {\@safe@activestrue
2384 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2385 \@safe@activesfalse
2386 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2387 {\reset@font\bfseries ?}\NAT@citeundefined
2388 \PackageWarning{natbib}%
2389 {Citation `@\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2390 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2391 \NAT@parse{\@citeb}%
2392 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2393 \let\NAT@name=\NAT@all@names
2394 \global\@namedef{bv@\@citeb\@extra@b@citeb}{-}{-}}%
2395 \fi
2396 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2397 \let\NAT@nm\NAT@name\fi

```



```

2398 \ifNAT@swa\ifcase\NAT@ctype
2399 \if\relax\NAT@date\relax
2400 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2401 \else
2402 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2403 \ifx\NAT@last@yr\NAT@year
2404 \def\NAT@temp{?}%
2405 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2406 {Multiple citation on page \thepage: same authors and
2407 year\MessageBreak without distinguishing extra
2408 letter,\MessageBreak appears as question mark}\fi
2409 \NAT@hyper@{\NAT@exlab}%
2410 \else\unskip\NAT@spacechar
2411 \NAT@hyper@{\NAT@date}%
2412 \fi
2413 \else
2414 \@citea\NAT@hyper@{%
2415 \NAT@nmfmt{\NAT@nm}%
2416 \hyper@natlinkbreak{%
2417 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2418 }%
2419 \NAT@date
2420 }%
2421 \fi
2422 \fi
2423 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2424 \or\@citea\NAT@hyper@{\NAT@date}%
2425 \or\@citea\NAT@hyper@{\NAT@alias}%
2426 \fi \NAT@def@citea
2427 \else
2428 \ifcase\NAT@ctype
2429 \if\relax\NAT@date\relax
2430 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2431 \else
2432 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2433 \ifx\NAT@last@yr\NAT@year
2434 \def\NAT@temp{?}%
2435 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2436 {Multiple citation on page \thepage: same authors and
2437 year\MessageBreak without distinguishing extra
2438 letter,\MessageBreak appears as question mark}\fi
2439 \NAT@hyper@{\NAT@exlab}%
2440 \else
2441 \unskip\NAT@spacechar
2442 \NAT@hyper@{\NAT@date}%
2443 \fi
2444 \else
2445 \@citea\NAT@hyper@{%
2446 \NAT@nmfmt{\NAT@nm}%
2447 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%

```



```

2448         {\@citeb\@extra@b@citeb}%
2449         \NAT@date
2450     }%
2451     \fi
2452     \fi
2453     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2454     \or\@citea\NAT@hyper@{\NAT@date}%
2455     \or\@citea\NAT@hyper@{\NAT@alias}%
2456     \fi
2457     \if\relax\NAT@date\relax
2458         \NAT@def@citea
2459     \else
2460         \NAT@def@citea@close
2461     \fi
2462 \fi
2463 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2464 \if\relax\NAT@date\relax\else\NAT@close\fi\fi}}{#1}{#2}}
2465 \newcommand\NAT@Latin@citexnum{}
2466 \def\NAT@Latin@citexnum[#1][#2]#3{%
2467     \NAT@reset@parser
2468     \NAT@sort@cites{#3}%
2469     \NAT@reset@citea
2470     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2471     \@for\@citeb:=\NAT@cite@list\do
2472     {\@safe@activestrue
2473     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2474     \@safe@activesfalse
2475     \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2476         {\reset@font\bfseries?}
2477         \NAT@citeundefined\PackageWarning{natbib}%
2478         {Citation `@\@citeb' on page \thepage \space undefined}}%
2479     {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2480     \NAT@parse{\@citeb}%
2481     \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2482         \let\NAT@name=\NAT@all@names
2483         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2484     \fi
2485     \ifNAT@full\let\NAT@nm\NAT@all@names\else
2486         \let\NAT@nm\NAT@name\fi
2487     \ifNAT@swa
2488     \@ifnum{\NAT@ctype>\@ne}{%
2489     \@citea
2490     \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2491     }{%
2492     \@ifnum{\NAT@cmprs>\z@}{%
2493     \NAT@ifcat@num\NAT@num
2494     {\let\NAT@nm=\NAT@num}%
2495     {\def\NAT@nm{-2}}%
2496     \NAT@ifcat@num\NAT@last@num
2497     {\@tempcnta=\NAT@last@num\relax}%

```



```

2498     {\@tempcnta\m@ne}%
2499     \@ifnum{\NAT@nm=\@tempcnta}{%
2500       \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbx}%
2501     }{%
2502       \advance\@tempcnta by\@ne
2503       \@ifnum{\NAT@nm=\@tempcnta}{%
2504         \ifx\NAT@last@yr\relax
2505           \def\NAT@last@yr{\@citea}%
2506         \else
2507           \def\NAT@last@yr{--\NAT@penalty}%
2508         \fi
2509       }{%
2510         \NAT@last@yr@mbx
2511       }%
2512     }%
2513   }{%
2514     \@tempswatrue
2515     \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2516       \if@tempswa\NAT@citea@mbx\fi
2517     }%
2518   }%
2519   \NAT@def@citea
2520 \else
2521   \ifcase\NAT@ctype
2522     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2523     \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbx{\NAT@super@kern\NAT@@open}%
2524     \fi
2525     \if*#1*\else#1\NAT@spacechar\fi
2526     \NAT@mbx{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2527     \NAT@def@citea@box
2528   \or
2529     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2530   \or
2531     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2532   \or
2533     \NAT@hyper@citea@space\NAT@alias
2534   \fi
2535 \fi
2536 }%
2537 }%
2538 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2539 \ifNAT@swa\else
2540   \@ifnum{\NAT@ctype=\z@}{%
2541     \if*#2*\else\NAT@cmt#2\fi
2542   }{%
2543     \NAT@mbx{\NAT@@close}%
2544   \fi
2545 }{\#1}{\#2}%
2546 }%
2547 \AtBeginDocument{\NAT@set@cites}

```



```

2548 \DeclareRobustCommand\Latincite
2549     {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatru
2550     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2551 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@citetp}{%
2552     \ifNAT@numbers\else
2553     \NAT@swafalse
2554     \fi
2555     \NAT@@Latin@citetp[]}}
2556 \newcommand\NAT@@Latin@citetp{}
2557 \def\NAT@@Latin@citetp[#1]{\@ifnextchar[{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

7.43 packages-localise-xepersian.def

```

2558 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2559 color} \}{color} @\-localise-xepersian.def}}{}
2560 \@ifpackageloaded{multicol}{%
2561 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2562 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2563 }{}
2564 \@ifpackageloaded{verbatim}{%
2565 \begingroup
2566 \vrb@catcodes
2567 \lccode`!\=``\ \lccode`\[=``{\ \lccode``]=``\}
2568 \catcode`\~=\active \lccode`\~=\``^M
2569 \lccode`\C=\C
2570 \lowercase{\endgroup
2571 \def\xepersian@localize@verbatim@start#1{%
2572     \verbatim@startline
2573     \if\noexpand#1\noexpand~%
2574     \let\next\xepersian@localize@verbatim@
2575     \else \def\next{\xepersian@localize@verbatim@#1}\fi
2576     \next}%
2577 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@#1! \@nil}%
2578 \def\xepersian@localize@verbatim@@#1! {%
2579     \verbatim@addtoline{#1}%
2580     \futurelet\next\xepersian@localize@verbatim@@@}%
2581 \def\xepersian@localize@verbatim@@@#1\@nil{%
2582     \ifx\next\@nil
2583     \verbatim@processline
2584     \verbatim@startline
2585     \let\next\xepersian@localize@verbatim@
2586     \else
2587     \def\@tempa##1! \@nil{##1}%
2588     \@temptokena{! }%
2589     \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2590     \fi \next}%
2591 \def\xepersian@localize@verbatim@test#1{%
2592     \let\next\xepersian@localize@verbatim@test
2593     \if\noexpand#1\noexpand~%
2594     \expandafter\verbatim@addtoline

```



```

2595         \expandafter{\the\@temptokena}%
2596         \verbatim@processline
2597         \verbatim@startline
2598         \let\next\xepersian@localize@verbatim@
2599     \else \if\noexpand#1
2600         \@temptokena\expandafter{\the\@temptokena#1}%
2601     \else \if\noexpand#1\noexpand[%
2602         \let\@tempc\@empty
2603         \let\next\xepersian@localize@verbatim@testend
2604     \else
2605         \expandafter\verbatim@addtoline
2606         \expandafter{\the\@temptokena}%
2607         \def\next{\xepersian@localize@verbatim@#1}%
2608     \fi\fi\fi
2609     \next}%
2610 \def\xepersian@localize@verbatim@testend#1{%
2611     \if\noexpand#1\noexpand~%
2612         \expandafter\verbatim@addtoline
2613         \expandafter{\the\@temptokena[]}%
2614         \expandafter\verbatim@addtoline
2615         \expandafter{\@tempc}%
2616         \verbatim@processline
2617         \verbatim@startline
2618         \let\next\xepersian@localize@verbatim@
2619     \else\if\noexpand#1\noexpand[%
2620         \let\next\xepersian@localize@verbatim@@testend
2621     \else\if\noexpand#1\noexpand!%
2622         \expandafter\verbatim@addtoline
2623         \expandafter{\the\@temptokena[]}%
2624         \expandafter\verbatim@addtoline
2625         \expandafter{\@tempc}%
2626         \def\next{\xepersian@localize@verbatim@!}%
2627     \else \expandafter\def\expandafter\@tempc\expandafter
2628         {\@tempc#1}\fi\fi\fi
2629     \next}%
2630 \def\xepersian@localize@verbatim@@testend{%
2631     \ifx\@tempc\@currenenvir
2632         \verbatim@finish
2633     \edef\next{\noexpand\end{\@currenenvir}%
2634         \noexpand\xepersian@localize@verbatim@rescan{\@currenenvir}}%
2635     \else
2636         \expandafter\verbatim@addtoline
2637         \expandafter{\the\@temptokena[]}%
2638         \expandafter\verbatim@addtoline
2639         \expandafter{\@tempc[]}%
2640         \let\next\xepersian@localize@verbatim@
2641     \fi
2642     \next}%
2643 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2644     \@warning{Characters dropped after `string\end{#1}'}\fi}%

```



```

2645 \def\          {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2646             \xepersian@localize@verbatim@start}
2647 \@namedef{      *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2648 \def\end        {\endtrivlist\endgroup\@doendpe}
2649 \expandafter\let\csname end          *\endcsname =\end
2650 }{}
2651 \ExplSyntaxOn
2652 \AtBeginDocument{
2653   \xepersian_localize_patch_verbatim:
2654 }
2655 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2656   \@ifpackageloaded{verbatim}{
2657     \cs_set:cpn {*      } }
2658     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@start
2659   }
2660 }{
2661 }
2662 }
2663 \ExplSyntaxOff
2664 \@ifpackageloaded{graphicx}{%
2665 \def\Gin@boolkey#1#2{%
2666 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2667 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2668 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2669 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2670 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2671 \define@key{Grot}{origin}[c]{%
2672 \@tfor\@tempa:=#1\do{%
2673   \if l\@tempa \Grot@x\z@\else
2674   \if tempa@\ \Grot@x\z@\else
2675   \if r\@tempa \Grot@x\width\else
2676   \if tempa@\ \Grot@x\width\else
2677   \if t\@tempa \Grot@y\height\else
2678   \if tempa@\ \Grot@y\height\else
2679   \if b\@tempa \Grot@y-\depth\else
2680   \if tempa@\ \Grot@y-\depth\else
2681   \if B\@tempa \Grot@y\z@\else
2682   \if tempa@\ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2683 {draft}{   }{Gin} @ \
2684 {origin}{  }{Gin} @ \
2685 {origin}{  }{Grot} @ \
2686 {clip}{   }{Gin} @ \
2687 {keepaspectratio}{  }{Gin} @ \
2688 {natwidth}{    }{Gin} @ \
2689 {natheight}{   }{Gin} @ \
2690 {bb}{        }{Gin} @ \
2691 {viewport}{   }{Gin} @ \
2692 {trim}{      }{Gin} @ \
2693 {angle}{     }{Gin} @ \
2694 {width}{    }{Gin} @ \

```



```

2695 {height}{ }{Gin} @ \
2696 {totalheight}{ }{Gin} @ \
2697 {scale}{ }{Gin} @ \
2698 {type}{ }{Gin} @ \
2699 {ext}{ }{Gin} @ \
2700 {read}{ }{Gin} @ \
2701 {command}{ }{Gin} @ \
2702 {x}{ }{Grot} @ \
2703 {y}{ }{Grot} @ \
2704 {units}{ }{Grot} @ \
2705 {}{}

```

7.44 parsidigits.map

```

2706 LHSName "Digits"
2707 RHSName "ParsiDigits"
2708
2709 pass(Unicode)
2710 U+0030 <> U+06F0 ;
2711 U+0031 <> U+06F1 ;
2712 U+0032 <> U+06F2 ;
2713 U+0033 <> U+06F3 ;
2714 U+0034 <> U+06F4 ;
2715 U+0035 <> U+06F5 ;
2716 U+0036 <> U+06F6 ;
2717 U+0037 <> U+06F7 ;
2718 U+0038 <> U+06F8 ;
2719 U+0039 <> U+06F9 ;
2720
2721
2722 U+002C <> U+060C ; comma > arabic comma
2723 U+003F <> U+061F ; question mark -> arabic qm
2724 U+003B <> U+061B ; semicolon -> arabic semicolon
2725
2726 ; ligatures from Knuth's original CMR fonts
2727 U+002D U+002D <> U+2013 ; -- -> en dash
2728 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2729
2730 U+0027 <> U+2019 ; ' -> right single quote
2731 U+0027 U+0027 <> U+201D ; '' -> right double quote
2732 U+0022 > U+201D ; " -> right double quote
2733
2734 U+0060 <> U+2018 ; ` -> left single quote
2735 U+0060 U+0060 <> U+201C ; `` -> left double quote
2736
2737 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2738 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2739
2740 ; additions supported in T1 encoding
2741 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK

```



```
2742 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2743 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET
```

7.45 rapport1-xepersian.def

```
2744 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2745 \renewcommand*\thepart{\@tartibi\c@part}
2746 \renewcommand*\appendix{\par
2747   \setcounter{chapter}{0}%
2748   \setcounter{section}{0}%
2749   \gdef\@chapapp{\appendixname}%
2750   \gdef\thechapter{\@harfi\c@chapter}}
```

7.46 rapport3-xepersian.def

```
2751 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2752 \renewcommand*\thepart{\@tartibi\c@part}
2753 \renewcommand*\appendix{\par
2754   \setcounter{chapter}{0}%
2755   \setcounter{section}{0}%
2756   \gdef\@chapapp{\appendixname}%
2757   \gdef\thechapter{\@harfi\c@chapter}}
```

7.47 refrep-xepersian.def

```
2758 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2759 \renewcommand \thepart {\@tartibi\c@part}
2760 \renewcommand\appendix{\par
2761   \setcounter{chapter}{0}%
2762   \setcounter{section}{0}%
2763   \gdef\@chapapp{\appendixname}%
2764   \gdef\thechapter{\@harfi\c@chapter}
2765 }%end appendix
```

7.48 report-xepersian.def

```
2766 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2767 \renewcommand \thepart {\@tartibi\c@part}
2768 \renewcommand\appendix{\par
2769   \setcounter{chapter}{0}%
2770   \setcounter{section}{0}%
2771   \gdef\@chapapp{\appendixname}%
2772   \gdef\thechapter{\@harfi\c@chapter}
2773 }%end appendix
```

7.49 scrartcl-xepersian.def

```
2774 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2775 \renewcommand*\thepart{\@tartibi\c@part}
2776 \renewcommand*\appendix{\par%
2777   \setcounter{section}{0}%
2778   \setcounter{subsection}{0}%
2779   \gdef\thesection{\@harfi\c@section}%
```



```

2780 \csname appendixmore\endcsname
2781 }
2782 \renewcommand*{\@@maybeautodot}[1]{%
2783 \ifx #1\@stop\let\@@maybeautodot\relax
2784 \else
2785 \ifx #1\harfi \@autodottrue\fi
2786 \ifx #1\adadi \@autodottrue\fi
2787 \ifx #1\tartibi \@autodottrue\fi
2788 \ifx #1\Alph \@autodottrue\fi
2789 \ifx #1\alph \@autodottrue\fi
2790 \ifx #1\Roman \@autodottrue\fi
2791 \ifx #1\roman \@autodottrue\fi
2792 \ifx #1\@harfi \@autodottrue\fi
2793 \ifx #1\@adadi \@autodottrue\fi
2794 \ifx #1\@tartibi \@autodottrue\fi
2795 \ifx #1\@Alph \@autodottrue\fi
2796 \ifx #1\@alph \@autodottrue\fi
2797 \ifx #1\@Roman \@autodottrue\fi
2798 \ifx #1\@roman \@autodottrue\fi
2799 \ifx #1\romannumeral \@autodottrue\fi
2800 \fi
2801 \@@maybeautodot
2802 }

```

7.50 scrbook-xepersian.def

```

2803 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2804 \renewcommand*\frontmatter{%
2805 \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2806 \@mainmatterfalse\pagenumbering{harfi}%
2807 }
2808 \renewcommand*\thepart{\@tartibi\c@part}
2809 \renewcommand*\appendix{\par%
2810 \setcounter{chapter}{0}%
2811 \setcounter{section}{0}%
2812 \gdef\@chapapp{\appendixname}%
2813 \gdef\thechapter{\@harfi\c@chapter}%
2814 \csname appendixmore\endcsname
2815 }
2816 \renewcommand*{\@@maybeautodot}[1]{%
2817 \ifx #1\@stop\let\@@maybeautodot\relax
2818 \else
2819 \ifx #1\harfi \@autodottrue\fi
2820 \ifx #1\adadi \@autodottrue\fi
2821 \ifx #1\tartibi \@autodottrue\fi
2822 \ifx #1\Alph \@autodottrue\fi
2823 \ifx #1\alph \@autodottrue\fi
2824 \ifx #1\Roman \@autodottrue\fi
2825 \ifx #1\roman \@autodottrue\fi
2826 \ifx #1\@harfi \@autodottrue\fi

```



```

2827 \ifx #1\@adadi \@autodottrue\fi
2828 \ifx #1\@tartibi \@autodottrue\fi
2829 \ifx #1\@Alph \@autodottrue\fi
2830 \ifx #1\@alph \@autodottrue\fi
2831 \ifx #1\@Roman \@autodottrue\fi
2832 \ifx #1\@roman \@autodottrue\fi
2833 \ifx #1\romannumeral \@autodottrue\fi
2834 \fi
2835 \@@maybeautodot
2836 }

```

7.51 screprt-xepersian.def

```

2837 \ProvidesFile{screprt-xepersian.def}[2010/07/25 v0.2 adaptations for screprt class]
2838 \renewcommand*\thepart{\@tartibi\c@part}
2839 \renewcommand*\appendix{\par%
2840 \setcounter{chapter}{0}%
2841 \setcounter{section}{0}%
2842 \gdef\@chapapp{\appendixname}%
2843 \gdef\thechapter{\@harfi\c@chapter}%
2844 \csname appendixmore\endcsname
2845 }
2846 \renewcommand*\@@maybeautodot}[1]{%
2847 \ifx #1\@stop\let\@@maybeautodot\relax
2848 \else
2849 \ifx #1\harfi \@autodottrue\fi
2850 \ifx #1\adadi \@autodottrue\fi
2851 \ifx #1\tartibi \@autodottrue\fi
2852 \ifx #1\Alph \@autodottrue\fi
2853 \ifx #1\alph \@autodottrue\fi
2854 \ifx #1\Roman \@autodottrue\fi
2855 \ifx #1\roman \@autodottrue\fi
2856 \ifx #1\@harfi \@autodottrue\fi
2857 \ifx #1\@adadi \@autodottrue\fi
2858 \ifx #1\@tartibi \@autodottrue\fi
2859 \ifx #1\@Alph \@autodottrue\fi
2860 \ifx #1\@alph \@autodottrue\fi
2861 \ifx #1\@Roman \@autodottrue\fi
2862 \ifx #1\@roman \@autodottrue\fi
2863 \ifx #1\romannumeral \@autodottrue\fi
2864 \fi
2865 \@@maybeautodot
2866 }

```

7.52 soul-xepersian.def

```

2867 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2868 \let\SOUL@tt\relax
2869 \newfontface{\SOUL@tt}{Times New Roman}

```

7.53 tkz-linknodes-xepersian.def



```

2870 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes package]
2871 \renewcommand*{\@SetTab}{%
2872 \let\@alph\@latalph%
2873 \ifnum \value{C@NumTab}>25\relax%
2874 \setcounter{C@NumTab}{1}%
2875 \else%
2876 \stepcounter{C@NumTab}%
2877 \fi%
2878 \setcounter{C@NumGroup}{0}%
2879 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2880 \setboolean{B@FirstLink}{true}
2881 \setboolean{B@NewGroup}{false}
2882 \setcounter{C@NumGroup}{0}
2883 \setcounter{C@CurrentGroup}{0}
2884 \setcounter{NumC@Node}{0}
2885 \setcounter{NumC@stop}{0}
2886 \setcounter{C@NextNode}{0}
2887 \setcounter{C@CurrentStop}{0}
2888 \setcounter{C@CurrentNode}{0}
2889 }%

```

7.54 tocloft-xepersian.def

```

2890 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2891 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2892 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2893 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2894 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2895 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2896 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2897 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2898 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2899 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2900 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

7.55 xepersian.sty

```

2901 \NeedsTeXFormat{LaTeX2e}
2902 \def\xepersianversion{v16.5}
2903 \def\xepersiandate{2016/05/03}
2904 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2905 Persian typesetting in XeLaTeX]
2906 \RequirePackage{fontspec}
2907 \RequirePackage{xepersian-persiancal}
2908 \RequirePackage{xepersian-mathsdigitspec}
2909 \RequirePackage{bidi}
2910 \edef\@xepersian@info{*****~^J%
2911 * ~^J%
2912 * xepersian package (Persian for LaTeX, using XeTeX engine)~^J%
2913 * ~^J%
2914 * Description: The package supports Persian~^J%

```



```

2915 * typesetting, using fonts provided in the^^J%
2916 * distribution.^^J%
2917 * ^^J%
2918 * Copyright (c) 2008--2016 Vafa Khalighi^^J%
2919 * ^^J%
2920 * \xepersianversion, \xepersiandate^^J%
2921 * ^^J%
2922 * License: LaTeX Project Public License, version^^J%
2923 * 1.3c or higher (your choice)^^J%
2924 * ^^J%
2925 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2926 * ^^J%
2927 * Issue tracker: https://github.com/persian-tex/xepersian/issues^^J%
2928 * ^^J%
2929 * Support: persian-tex@tug.org^^J%
2930 *****}
2931 \typeout{\@xepersian@info}
2932 \edef\xepersian@everyjob{\the\everyjob}
2933 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2934 \def\prq{«}
2935 \def\plq{»}
2936 \def\xepersian@cmds@temp#1{%
2937   \begingroup\expandafter\expandafter\expandafter\endgroup
2938   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2939     \begingroup
2940       \escapechar=-1 %
2941       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2942       \def\y{#1}%
2943       \def\z##1->{%}
2944       \edef\y{\expandafter\z\meaning\y}%
2945     \expandafter\endgroup
2946     \ifx\x\y
2947       \expandafter\def\csname xepersian@#1\expandafter\endcsname
2948       \expandafter{%
2949         \csname#1\endcsname
2950       }%
2951     \fi
2952   \fi
2953 }%
2954 \xepersian@cmds@temp{shellescape}
2955 \newif\ifwritexviii
2956 \ifnum\xepersian@shellescape=1\relax
2957   \writexviiitrue
2958 \else
2959   \writexviiiifalse
2960 \fi
2961 \newfontscript{Parsi}{arab}
2962 \newfontlanguage{Parsi}{FAR}
2963 \ExplSyntaxOn
2964 \DeclareDocumentCommand \settextfont { o m }

```



```

2965 { \_fontspec_pass_args:nnn \_xepersian_settextfont:nn {#1} {#2} }
2966
2967 \cs_new:Nn \_xepersian_settextfont:nn
2968 {
2969   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \persianfont _family } {Script=Parsi,Language=Parsi}
2970   \use:x
2971   {
2972     \exp_not:N \DeclareRobustCommand \exp_not:N \persianfont
2973     {
2974       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \persianfont _family} }
2975       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2976       \exp_not:N \selectfont
2977     }
2978   }
2979   \cs_set_eq:NN \rmdefault \l_fontspec_family_tl
2980   \normalfont
2981 }
2982 \DeclareDocumentCommand \setlatintextfont { o m }
2983 { \_fontspec_pass_args:nnn \_xepersian_setlatintextfont:nn {#1} {#2} }
2984
2985 \cs_new:Nn \_xepersian_setlatintextfont:nn
2986 {
2987   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \latinfont _family } {Mapping=tex-text,#1}
2988   \use:x
2989   {
2990     \exp_not:N \DeclareRobustCommand \exp_not:N \latinfont
2991     {
2992       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \latinfont _family} }
2993       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2994       \exp_not:N \selectfont
2995     }
2996   }
2997 }
2998 \cs_set_eq:NN \setlatinsansfont \setsansfont
2999 \cs_set_eq:NN \setlatinmonofont \setmonofont
3000 \DeclareDocumentCommand \defpersianfont { m o m }
3001 { \_fontspec_pass_args:nnn { \_xepersian_defpersianfont:Nnn #1 } {#2} {#3} }
3002
3003 \cs_new:Nn \_xepersian_defpersianfont:Nnn
3004 {
3005   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Parsi}
3006   \use:x
3007   {
3008     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3009     {
3010       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N #1 _family} }
3011       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
3012       \exp_not:N \selectfont
3013     }
3014   }

```



```

3015 }
3016 \DeclareDocumentCommand \deflatinfont { m o m }
3017 { \_fontspec_pass_args:nnn { \_xepersian_deflatinfont:Nnn #1 } {#2} {#3} }
3018
3019 \cs_new:Nn \_xepersian_deflatinfont:Nnn
3020 {
3021 \fontspec_set_family:cnn { g\_fontspec\_cs_to_str:N #1 _family } {Mapping=tex-text,#2} {#3}
3022 \use:x
3023 {
3024 \exp_not:N \DeclareRobustCommand \exp_not:N #1
3025 {
3026 \exp_not:N \fontfamily { \use:c {g\_fontspec\_cs_to_str:N #1 _family} }
3027 \exp_not:N \fontencoding { \l\_fontspec_nfss_enc_tl }
3028 \exp_not:N \selectfont
3029 }
3030 }
3031 }
3032 \newcommand\persiansfdefault{}
3033 \newcommand\persianttdefault{}
3034 \newcommand\iranicdefault{}
3035 \newcommand\navardefault{}
3036 \newcommand\pookdefault{}
3037 \newcommand\sayehdefault{}
3038 \DeclareRobustCommand\persiansffamily
3039 { \not@math@alphabet\persiansffamily\mathpersiansf
3040 \fontfamily\persiansfdefault\selectfont}
3041 \DeclareRobustCommand\persianttfamily
3042 { \not@math@alphabet\persianttfamily\mathpersiantt
3043 \fontfamily\persianttdefault\selectfont}
3044 \DeclareRobustCommand\iranicfamily
3045 { \not@math@alphabet\iranicfamily\mathiranic
3046 \fontfamily\iranicdefault\selectfont}
3047 \DeclareRobustCommand\navarfamily
3048 { \not@math@alphabet\navarfamily\mathnavar
3049 \fontfamily\navardefault\selectfont}
3050 \DeclareRobustCommand\pookfamily
3051 { \not@math@alphabet\pookfamily\mathpook
3052 \fontfamily\pookdefault\selectfont}
3053 \DeclareRobustCommand\sayehfamily
3054 { \not@math@alphabet\sayehfamily\mathsayeh
3055 \fontfamily\sayehdefault\selectfont}
3056 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3057 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3058 \DeclareTextFontCommand{\textiranic}{\iranicfamily}
3059 \DeclareTextFontCommand{\textnavar}{\navarfamily}
3060 \DeclareTextFontCommand{\textpook}{\pookfamily}
3061 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3062 \DeclareDocumentCommand \setpersiansansfont { o m }
3063 { \_fontspec_pass_args:nnn \_xepersian_setpersiansansfont:nn {#1} {#2} }
3064

```



```

3065 \cs_new:Nn \__xepersian_setpersiansansfont:nn
3066 {
3067 \fontspec_set_family:Nnn \persiansfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3068 \normalfont
3069 \ignorespaces
3070 }
3071 \DeclareDocumentCommand \setpersianmonofont { o m }
3072 { \__fontspec_pass_args:nnn \__xepersian_setpersianmonofont:nn {#1} {#2} }
3073
3074 \cs_new:Nn \__xepersian_setpersianmonofont:nn
3075 {
3076 \fontspec_set_family:Nnn \persianttdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3077 \normalfont
3078 \ignorespaces
3079 }
3080 \DeclareDocumentCommand \setnavarfont { o m }
3081 { \__fontspec_pass_args:nnn \__xepersian_setnavarfont:nn {#1} {#2} }
3082
3083 \cs_new:Nn \__xepersian_setnavarfont:nn
3084 {
3085 \fontspec_set_family:Nnn \navardefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3086 \normalfont
3087 \ignorespaces
3088 }
3089 \DeclareDocumentCommand \setpookfont { o m }
3090 { \__fontspec_pass_args:nnn \__xepersian_setpookfont:nn {#1} {#2} }
3091
3092 \cs_new:Nn \__xepersian_setpookfont:nn
3093 {
3094 \fontspec_set_family:Nnn \pookdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2
3095 \normalfont
3096 \ignorespaces
3097 }
3098 \DeclareDocumentCommand \setsayehfont { o m }
3099 { \__fontspec_pass_args:nnn \__xepersian_setsayehfont:nn {#1} {#2} }
3100
3101 \cs_new:Nn \__xepersian_setsayehfont:nn
3102 {
3103 \fontspec_set_family:Nnn \sayehdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3104 \normalfont
3105 \ignorespaces
3106 }
3107 \DeclareDocumentCommand \setiranifont { o m }
3108 { \__fontspec_pass_args:nnn \__xepersian_setiranifont:nn {#1} {#2} }
3109
3110 \cs_new:Nn \__xepersian_setiranifont:nn
3111 {
3112 \fontspec_set_family:Nnn \iranifontdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3113 \normalfont
3114 \ignorespaces

```



```

3115 }
3116 \ExplSyntaxOff
3117 \def\resetlatinfont{%
3118 \let\normalfont\latinfont%
3119 \let\reset@font\normalfont%
3120 \latinfont}
3121 \def\setpersianfont{%
3122 \let\normalfont\persianfont%
3123 \let\reset@font\normalfont%
3124 \persianfont}
3125 \bidi@newrobustcmd*{\lr}[1]{\LRE{\@Latintrue\latinfont#1}}
3126 \bidi@newrobustcmd*{\rl}[1]{\RLE{\@Latinfalse\persianfont#1}}
3127 \def\latin{\LTR\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3128 \def\endlatin{\endLTR}
3129 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3130 \def\endpersian{\endRTL}
3131 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3132 \newenvironment{parsiiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\endparsiiitems}
3133 \let\originaltoday=\today
3134 \def\latintoday{\lr{\originaltoday}}
3135 \def\today{\rl{\persiantoday}}
3136 \def \@LTRmarginparreset {%
3137     \reset@font
3138     \latinfont
3139     \normalsize
3140     \@minipagetrue
3141     \everypar{\@minipagefalse\everypar{}\beginL}%
3142 }
3143 \DeclareRobustCommand\Latincite{%
3144 \@ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}]
3145 \def\@Latincitex[#1]#2{\leavevmode
3146 \let\@citea\@empty
3147 \@cite{\lr{\@for\@citeb:=#2\do
3148 {\@citea\def\@citea{\penalty\@m\ }%
3149 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3150 \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3151 \@ifundefined{b\@citeb}{\hbox{\reset@font\bfseries ?}}%
3152 \G@refundefinedtrue
3153 \@latex@warning
3154 {Citation `@\@citeb' on page \thepage \space undefined}}%
3155 {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\@#1}}
3156 \def\@outputpage{%
3157 \begingroup % the \endgroup is put in by \aftergroup
3158 \let \protect \noexpand
3159 \@resetactivechars
3160 \global\let\@if@newlist\if@newlist
3161 \global\@newlistfalse
3162 \@parboxrestore
3163 \shipout \vbox{%
3164 \set@typeset@protect

```



```

3165 \aftergroup \endgroup
3166 \aftergroup \set@typeset@protect
3167 % correct? or just restore by ending
3168 % the group?
3169 \if@specialpage
3170 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
3171 \fi
3172 \if@twoside
3173 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
3174 \let\@themargin\oddsidemargin
3175 \else \let\@thehead\@evenhead
3176 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
3177 \fi
3178 \ifx\@thehead\@empty \let\@thehead\hfil \fi
3179 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
3180 \else %% not @twoside
3181 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3182 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
3183 \fi
3184 \reset@font
3185 \normalsize
3186 \ifRTLmain\setpersianfont\else\resetlatinfont\fi
3187 \normalfontcodes
3188 \let\label\@gobble
3189 \let\index\@gobble
3190 \let\glossary\@gobble
3191 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3192 \@begindvi
3193 \vskip \topmargin
3194 \moveright\@themargin \vbox {%
3195 \setbox\@tempboxa \vbox to\headheight{%
3196 \vfil
3197 \color@hbox
3198 \normalcolor
3199 \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\ifRTLmain
3200 \color@endbox
3201 }% %% 22 Feb 87
3202 \dp\@tempboxa \z@
3203 \box\@tempboxa
3204 \vskip \headsep
3205 \box\@outputbox
3206 \baselineskip \footskip
3207 \color@hbox
3208 \normalcolor
3209 \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\ifRTLmain
3210 \color@endbox
3211 }%
3212 }%
3213 \global\let\if@newlist\@if@newlist
3214 \global \@colht \textheight

```



```

3215 \stepcounter{page}%
3216 \let\firstmark\botmark
3217 }
3218 \newcommand\twocolumnstableofcontents{%
3219 \@ifpackageloaded{multicol}{%
3220 \begin{multicols}{2}[\section*{\contentsname}]%
3221 \small
3222 \@starttoc{toc}%
3223 \end{multicols}}
3224 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for beir

3225 \def\XePersian{\leavevmode$\smash{\hbox{X\lower.5ex
3226 \hbox{\kern-.125em\ bidi@reflect@box{E}}Persian}}}$}
3227 \def\figurename{\if@RTL else\ Figure\fi}
3228 \def\tablename{\if@RTL else\ Table\fi}
3229 \def\contentsname{\if@RTL else\ Contents\fi}
3230 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3231 \def\listtablename{\if@RTL else\ List of Tables\fi}
3232 \def\appendixname{\if@RTL else\ Appendix\fi}
3233 \def\indexname{\if@RTL else\ Index\fi}
3234 \def\refname{\if@RTL else\ References\fi}
3235 \def\abstractname{\if@RTL else\ Abstract\fi}
3236 \def\partname{\if@RTL else\ Part\fi}
3237 \def\datename{\if@RTL else\ Date:\fi}
3238 \def\@and{\if@RTL else\ and\fi}
3239 \def\bibName{\if@RTL else\ Bibliography\fi}
3240 \def\chaptername{\if@RTL else\ Chapter\fi}
3241 \def\ccname{\if@RTL else\ cc\fi}
3242 \def\enclname{\if@RTL else\ encl\fi}
3243 \def\pagename{\if@RTL else\ Page\fi}
3244 \def\headtoname{\if@RTL else\ To\fi}
3245 \def\proofname{\if@RTL else\ Proof\fi}
3246 \def\@Abjad#1{%
3247 \ifcase#1\or or\ or\ or\ %
3248 \or or\ or\ or\ or\ %
3249 \or or\ or\ or\ or\ %
3250 \or or\ or\ or\ %
3251 \or or\ or\ or\ or\ %
3252 \or or\ or\ or\ or\ %
3253 \else\@ctrerr\fi}
3254 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3255 \let\Abjadnumeral\@Abjad
3256 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\ or\
3257 or\ or\
3258 or\ {else\@ctrerr\fi}
3259 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3260 \let\harfinumeral\@harfi
3261 \newcommand{\adadi}[1]{%
3262 \expandafter\@adadi\csname c@#1\endcsname%
3263 }

```



```

3264 \newcommand{\@adadi}[1]{%
3265 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
3266 }
3267 \let\adadinumeral\@adadi%
3268 \def\xepersian@numberoutofrange#1#2{%
3269 \PackageError{xepersian}{The number `#1' is too large %
3270 to be formatted using xepersian}{The largest possible %
3271 number is 999,999,999.}%
3272 }
3273 \def\xepersian@numberstring#1#2#3#4{%
3274 \ifnum\number#1<\@ne%
3275 #3%
3276 \else\ifnum\number#1<1000000000 %
3277 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3278 \else%
3279 \xepersian@numberoutofrange{#1}{#4}%
3280 \fi\fi%
3281 }
3282 \def\xepersian@adadi#1#2{%
3283 \expandafter\xepersian@@adadi%
3284 \ifcase%
3285 \ifnum#1<10 1%
3286 \else\ifnum#1<100 2%
3287 \else\ifnum#1<\@m 3%
3288 \else\ifnum#1<\@M 4%
3289 \else\ifnum#1<100000 5%
3290 \else\ifnum#1<1000000 6%
3291 \else\ifnum#1<10000000 7%
3292 \else\ifnum#1<100000000 8%
3293 \else9%
3294 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3295 \or00000000#1% case 1: Add 8 leading zeros
3296 \or0000000#1% case 2: Add 7 leading zeros
3297 \or000000#1% case 3: Add 6 leading zeros
3298 \or00000#1% case 4: Add 5 leading zeros
3299 \or0000#1% case 5: Add 4 leading zeros
3300 \or000#1% case 6: Add 3 leading zeros
3301 \or00#1% case 7: Add 2 leading zeros
3302 \or0#1% case 8: Add 1 leading zero
3303 \or#1% case 9: Add no leading zeros
3304 \or%
3305 \@nil#2%
3306 \fi%
3307 }
3308 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3309 \ifnum#1#2#3>\z@
3310 \xepersian@milyoongan#1#2#3%
3311 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else\ \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3312 \fi%
3313 \ifnum#4#5#6>\z@%

```



```

3314 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3315 \ifnum#4#5#6>\@ne\fi%
3316 %
3317 \ifnum#7>\z@\ \fi%
3318 \fi%
3319 \xepersian@sadgan#7{#4#5#6}1#9%
3320 }
3321 \def\xepersian@milyoongan#1#2#3{%
3322 \ifnum#1#2#3=\@ne%
3323 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3324 %
3325 %
3326 \else%
3327 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3328 %
3329 %
3330 \fi%
3331 }
3332 \def\xepersian@sadgan#1#2#3#4#5#6{%
3333 \ifnum#1>\z@%
3334 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3335 %
3336 \ifnum#2#3>\z@\ \fi%
3337 \fi%
3338 \ifnum#2#3<20%
3339 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3340 \else%
3341 \xepersian@dahgan#2%
3342 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3343 #60%
3344 \fi%
3345 }
3346 \def\xepersian@yekani#1{%
3347 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3348 \or or\ or\ or\ or\ or\ or\ %
3349 \or or\ or\ or\ %
3350 \or or\ %fi\
3351 }
3352 \def\xepersian@yekanii#1{%
3353 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3354 }
3355 \def\xepersian@yekanii#1{%
3356 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3357 }
3358 \def\xepersian@yekaniv#1{%
3359 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3360 \or or\ or\ %fi\
3361 }
3362 \def\xepersian@dahgan#1{%
3363 \ifcase#1\or\or or\ or\ %

```



```

3364 \or or\ or\ or\ %
3365 \or %fi\
3366 }
3367 \newcommand{\tartibi}[1]{%
3368 \expandafter\@tartibi\csname c@#1\endcsname%
3369 }
3370 \newcommand{\@tartibi}[1]{%
3371 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3372 }
3373 \let\tartibinumeral\@tartibi%
3374 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3375 \ifnum\number#1<\@ne%
3376 #3%
3377 \else\ifnum\number#1<1000000000 %
3378 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3379 \else%
3380 \xepersian@numberoutofrange{#1}{#4}%
3381 \fi\fi%
3382 }
3383 \def\xepersian@adadi@tartibi#1#2{%
3384 \expandafter\xepersian@@adadi@tartibi%
3385 \ifcase%
3386 \ifnum#1<10 1%
3387 \else\ifnum#1<100 2%
3388 \else\ifnum#1<\@m 3%
3389 \else\ifnum#1<\@M 4%
3390 \else\ifnum#1<100000 5%
3391 \else\ifnum#1<1000000 6%
3392 \else\ifnum#1<10000000 7%
3393 \else\ifnum#1<100000000 8%
3394 \else9%
3395 \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi %
3396 \or00000000#1% case 1: Add 8 leading zeros
3397 \or0000000#1% case 2: Add 7 leading zeros
3398 \or000000#1% case 3: Add 6 leading zeros
3399 \or00000#1% case 4: Add 5 leading zeros
3400 \or0000#1% case 5: Add 4 leading zeros
3401 \or000#1% case 6: Add 3 leading zeros
3402 \or00#1% case 7: Add 2 leading zeros
3403 \or0#1% case 8: Add 1 leading zero
3404 \or#1% case 9: Add no leading zeros
3405 \or%
3406 \@nil#2%
3407 \fi%
3408 }
3409 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3410 \ifnum#1#2#3>\z@
3411 \xepersian@milyoongan@tartibi#1#2#3%
3412 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3413 \fi%

```



```

3414 \ifnum#4#5#6>\z@%
3415 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3416 \ifnum#4#5#6>\@ne \fi%
3417 %
3418 \ifnum#7>\z@\ \fi%
3419 \fi%
3420 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3421 }
3422 \def\xepersian@milyoongan@tartibi#1#2#3{%
3423 \ifnum#1#2#3=\@ne%
3424 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3425 %
3426 %
3427 \else%
3428 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3429 %
3430 %
3431 \fi%
3432 }
3433 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3434 \ifnum#1>\z@%
3435 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3436 %
3437 \ifnum#2#3>\z@\ \fi%
3438 \fi%
3439 \ifnum#2#3<20%
3440 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3441 \else%
3442 \xepersian@dahgan#2%
3443 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3444 #60%
3445 \fi%
3446 }
3447 \def\xepersian@tartibi#1{%
3448 \ifcase#1 \or or\ or\ or\ %
3449 \or or\ or\ or\ or\ %
3450 \or or\ or\ or\ %
3451 \or or\ or\ %
3452 \or or\ or\ %fi\
3453 }
3454 \def\xepersian@yekanv#1{%
3455 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3456 \or or\ or\ or\ or\ or\ %
3457 \or or\ or\ or\ %
3458 \or or\ %fi\
3459 }
3460 \providecommand*\xpg@warning}[1]{%
3461 \PackageWarning{XePersian}%
3462 {#1}}
3463 \if@bidi@csundef{@abjad}{%

```



```

3464 \def\@abjad#1{%
3465 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3466 \else
3467 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3468 \else
3469 \ifnum#1<10\expandafter\abj@num@i\number#1%
3470 \else
3471 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3472 \else
3473 \ifnum#1<\m\expandafter\abj@num@iii\number#1%
3474 \else
3475 \ifnum#1<\M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3476 \fi
3477 \fi
3478 \fi
3479 \fi
3480 \fi
3481 \fi
3482 }
3483 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3484 \let\abjadnumeral\@abjad
3485 \def\abjad@zero{}
3486 \def\abj@num@i#1{%
3487 \ifcase#1\or or\ or\ or\ %
3488 \or or\ or\ or\ or\ fi\
3489 \ifnum#1=\z@\abjad@zero\fi}
3490 \def\abj@num@ii#1{%
3491 \ifcase#1\or or\ or\ or\ or\ %
3492 \or or\ or\ or\ fi\
3493 \ifnum#1=\z@\fi\abj@num@i}
3494 \def\abj@num@iii#1{%
3495 \ifcase#1\or or\ or\ or\ or\ %
3496 \or or\ or\ or\ fi\
3497 \ifnum#1=\z@\fi\abj@num@ii}
3498 \def\abj@num@iv#1{%
3499 \ifcase#1\or fi\
3500 \ifnum#1=\z@\fi\abj@num@iii}
3501 }{}
3502 \let\@latinalph\@alph%
3503 \let\@latinAlph\@Alph%
3504 \def\LatinAlphs{%
3505 \let\@alph\@latinalph%
3506 \let\@Alph\@latinAlph%
3507 }
3508 \bidi@AfterEndPreamble{%
3509 \if@bidi@csundef{persianfont}{%
3510 \PackageError{xepersian}{You have not specified any font\MessageBreak
3511 for the main Persian text}{Use \settextfont' to load a font.}%
3512 }{}
3513 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}

```



```

3514 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3515 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3516 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3517 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3518 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3519 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3520 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{\input{footnote-
3521 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3522 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3523 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3524 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3525 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3526 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3527 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3528 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3529 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3530 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}
3531 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3532 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3533 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3534 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3535 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3536 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3537 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3538 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3539 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3540 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3541 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3542 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3543 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3544 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3545 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3546 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3547 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3548 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3549 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3550 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3551 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3552 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3553 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3554 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default
3555 \ifcase\xepersian@tempb\relax
3556 \AutoMathsDigits
3557 \or
3558 \DefaultMathsDigits
3559 \or
3560 \PersianMathsDigits
3561 \fi}
3562 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3563 \ifcase\xepersian@tempb\relax

```



```

3564 \RTLtrue
3565 \or
3566 \RTLfalse
3567 \fi}
3568 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3569 \ifcase\xepersian@tempb\relax
3570 \RTLtrue
3571 \or
3572 \RTLfalse
3573 \fi}
3574 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,left
3575 \ifcase\xepersian@tempb\relax
3576 \autofootnoterule
3577 \or
3578 \leftfootnoterule
3579 \or
3580 \rightfootnoterule
3581 \or
3582 \SplitFootnoteRule
3583 \or
3584 \textwidthfootnoterule
3585 \fi}
3586 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{rightto
3587 \ifcase\xepersian@tempb\relax
3588 \RTL@footnotetrue
3589 \or
3590 \RTL@footnotefalse
3591 \fi}
3592 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3593 \ifcase\xepersian@tempb\relax
3594 \footdir@debugtrue
3595 \or
3596 \footdir@debugfalse
3597 \fi}
3598 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3599 \ifcase\xepersian@tempb\relax
3600 \input{kashida-xepersian.def}
3601 \fi}
3602 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3603 \ifcase\xepersian@tempb\relax
3604 \input{localise-xepersian.def}
3605 \fi}
3606 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,o
3607 \ifcase\xepersian@tempb\relax
3608 \@extrafootnotefeaturestrue
3609 \or
3610 \@extrafootnotefeaturesfalse
3611 \fi}
3612 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3613 \ifcase\xepersian@tempb\relax

```



```

3614 \PackageWarning{xepersian}{Obsolete option}%
3615 \ifwritexviii%
3616 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the mem
3617 \renewcommand\printindex{\newpage%
3618 \immediate\closeout\@indexfile
3619 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3620 \@input@{\jobname.ind}}}%
3621 \else
3622 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelat
3623 \fi
3624 \fi}
3625 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}
3626 \ifcase\xepersian@tempb\relax
3627 \ifwritexviii%
3628 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the mem
3629 \renewcommand\printindex{\newpage%
3630 \immediate\closeout\@indexfile
3631 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname.idx}
3632 \@input@{\jobname.ind}}}%
3633 \else
3634 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelat
3635 \fi
3636 \fi}
3637 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}
3638 \ifcase\xepersian@tempb\relax
3639 \ifwritexviii%
3640 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the mem
3641 \renewcommand\printindex{\newpage%
3642 \immediate\closeout\@indexfile
3643 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3644 \@input@{\jobname.ind}}}%
3645 \else
3646 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelat
3647 \fi
3648 \fi}
3649 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3650 \ifcase\xepersian@tempb\relax
3651 \def\PersianAlphs{%
3652 \let\@alph\@abjad%
3653 \let\@Alph\@abjad%
3654 }
3655 \or
3656 \def\PersianAlphs{%
3657 \let\@alph\@Abjad%
3658 \let\@Alph\@Abjad%
3659 }
3660 \fi}
3661 \DeclareOptionX{defaultlatinfontfeatures}{%
3662 \defaultfontfeatures
3663 [\latinfont]

```



```

3664 {#1}
3665 }
3666
3667 \ExecuteOptionsX{%
3668     RTLdocument=on,
3669     footnotedirection=righttoleft,
3670     footnoterule=automatic,
3671     abjadvariant=two
3672 }
3673
3674 \ProcessOptionsX
3675
3676 \if@extrafootnotefeatures
3677     \input{extrafootnotefeatures-xetex-bidi.def}
3678     \input{extrafootnotefeatures-xepersian.def}
3679 \fi
3680
3681 \setlatintextfont [ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3682 \PersianAlphs

```

7.56 xepersian-magazine.cls

```

3683 \NeedsTeXFormat{LaTeX2e}
3684 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3685 \RequirePackage{ifthen}
3686 \newlength{\xepersian@imgsize}
3687 \newlength{\xepersian@coltitsize}
3688 \newlength{\xepersian@pageneed}
3689 \newlength{\xepersian@pageleft}
3690 \newlength{\xepersian@indexwidth}
3691 \newcommand{\xepersian@ncolumns}{0}
3692 \newlength{\columnlines}
3693 \setlength{\columnlines}{0 pt} % no lines by default
3694 \newboolean{xepersian@hyphenatedtitles}
3695 \setboolean{xepersian@hyphenatedtitles}{true}
3696 \newboolean{xepersian@ninepoints}
3697 \setboolean{xepersian@ninepoints}{false}
3698 \newboolean{xepersian@showgrid}
3699 \setboolean{xepersian@showgrid}{false}
3700 \newboolean{xepersian@a3paper}
3701 \setboolean{xepersian@a3paper}{false}
3702 \newboolean{xepersian@insidefrontpage}
3703 \setboolean{xepersian@insidefrontpage}{false}
3704 \newboolean{xepersian@insideweather}
3705 \setboolean{xepersian@insideweather}{false}
3706 \newboolean{xepersian@insideindex}
3707 \setboolean{xepersian@insideindex}{false}
3708 \newcount\xepersian@gridrows
3709 \newcount\xepersian@gridcolumns
3710 \xepersian@gridrows=40

```



```

3711 \xepersian@gridcolumns=50
3712 \newcount\minraggedcols
3713 \minraggedcols=5
3714 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3715 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3716 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3717 \DeclareOption{twocolumn}%
3718 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3719 \DeclareOption{notitlepage}%
3720 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3721 \DeclareOption{twoside}%
3722 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3723 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3724 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3725 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3726 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3727 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3728 \ProcessOptions\relax
3729 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3730 \RequirePackage{ifxetex}
3731 \RequirePackage{multido}
3732 \RequirePackage{datetime}
3733 \RequirePackage{multicol}
3734 \RequirePackage{fancyhdr}
3735 \RequirePackage{fancybox}
3736 \ifthenelse{\boolean{xepersian@a3paper}}{%
3737 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3738 }{
3739 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3740 }
3741 \RequirePackage[absolute]{textpos} % absolute positioning
3742 \RequirePackage{hyphenat} % when hyphenate
3743 \RequirePackage{lastpage} % to know the last page number
3744 \RequirePackage{setspace} % set space between lines
3745 \RequirePackage{ragged2e}
3746 \newcommand{\raggedFormat}{\RaggedLeft}
3747 \AtEndOfClass{\xepersianInit}
3748 \ifthenelse{\boolean{xepersian@showgrid}}{%
3749 \AtBeginDocument{
3750 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3751 \advance\minraggedcols by -1
3752 }{%
3753 \AtBeginDocument{
3754 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3755 \advance\minraggedcols by -1
3756 }
3757 \ifthenelse{\boolean{xepersian@ninepoints}}{
3758 \renewcommand{\normalsize}{%
3759 \setfontsize{\normalsize}{9pt}{10pt}%
3760 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%

```



```

3761 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3762 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3763 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3764
3765 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
3766
3767 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
3768
3769 \renewcommand{\small}{%
3770 \@setfontsize{\small}{8pt}{9pt}%
3771 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3772 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3773 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3774 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3775
3776 \renewcommand{\footnotesize}{%
3777 \@setfontsize{\footnotesize}{8pt}{9pt}%
3778 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3779 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3780 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3781 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3782
3783 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3784 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3785 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3786 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3787 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3788 }{}
3789 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3790 \newcommand{\xepersian@wwwFormat}{\sffamily}
3791 \newcommand{\xepersian@www}{%
3792 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
3793 }
3794 \newcommand{\xepersian@edition}{ {
3795 \newcommand{\editionFormat}{\large\bfseries\texttt}
3796 \newcommand{\xepersian@editionLogo}{%
3797 \raisebox{-3pt}{%
3798 {\editionFormat\xepersian@edition}%
3799 }%
3800 }
3801 \newcommand{\indexFormat}{\large\bfseries}
3802 \newcommand{\xepersian@indexFrameTitle}[1]
3803 {\begin{flushright}{\indexFormat #1}\end{flushright}}
3804
3805 \newcommand{\indexEntryFormat}{\normalsize}
3806 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3807 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3808 \end{minipage}}
3809 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3810 \newcommand{\indexEntryPageTxt}{ }

```



```

3811 \newcommand{\indexEntryPageFormat}{\footnotesize}
3812 \newcommand{\xepersian@indexEntryPage}[1]{%
3813 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
3814 }
3815 \newcommand{\headDateTimeFormat}{}
3816 \newcommand{\xepersian@headDateTime}{%
3817 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3818 \currenttime %
3819 }
3820 \newcommand{\weatherFormat}{\bfseries}
3821 \newcommand{\xepersian@weather}[1]{%
3822 \noindent{\weatherFormat #1}%
3823 }
3824 \newcommand{\weatherTempFormat}{\small}
3825 \newcommand{\weatherUnits}{\textdegree{C}}
3826 \newcommand{\xepersian@section}[0]{ {
3827 \newcommand{\xepersian@headleft}{%
3828 {\small\bfseries \@custommagazinename} \date
3829 }
3830 \newcommand{\xepersian@headcenter}{%
3831 \xepersian@section{}
3832 }
3833 \newcommand{\xepersian@headright}{%
3834 \small\xepersian@edition%
3835 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3836 }
3837
3838 \newcommand{\heading}[3]{%
3839 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3840 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3841 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3842 }
3843 \newcommand{\xepersian@footright}{%
3844 {\footnotesize\lr{\copyright \@customwwwTxt{}}-- - \lr{\XePersian}}%
3845 }
3846 \newcommand{\xepersian@footcenter}{%
3847 }
3848 \newcommand{\xepersian@footleft}{%
3849 }
3850
3851 \newcommand{\foot}[3]{%
3852 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3853 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3854 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3855 }
3856 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3857 \newcommand{\xepersian@firstTitle}[1]{%
3858 {%
3859 \begin{spacing}{2.0}{%
3860 \noindent\ignorespaces

```



```

3861 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3862 {\nohyphens{\firstTitleFormat #1}}%
3863 {\{\firstTitleFormat #1}}%
3864 }%
3865 \end{spacing}%
3866 }%
3867 }
3868 \newcommand{\firstTextFormat}{}
3869 \newcommand{xepersian@firstText}[1]{%
3870 {\noindent\ignorespaces\firstTextFormat #1}%
3871 }
3872 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3873 \newcommand{xepersian@secondTitle}[1]{%
3874 \begin{spacing}{1.5}{%
3875 \noindent\ignorespaces\flushright
3876 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3877 {\nohyphens{\secondTitleFormat #1}}%
3878 {\{\secondTitleFormat #1}}%
3879 }\end{spacing}%
3880 }
3881 \newcommand{\secondSubtitleFormat}{\large}
3882 \newcommand{xepersian@secondSubtitle}[1]{%
3883 {\noindent\ignorespaces\secondSubtitleFormat #1}}%
3884 }
3885 \newcommand{\secondTextFormat}{}
3886 \newcommand{xepersian@secondText}[1]{%
3887 \begin{multicols}{2}
3888 {\noindent\ignorespaces\secondTextFormat #1}
3889 \end{multicols}
3890 }
3891 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3892 \newcommand{xepersian@thirdTitle}[1]{%
3893 \begin{spacing}{1.5}{%
3894 \noindent\ignorespaces\flushright
3895 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3896 {\nohyphens{\thirdTitleFormat #1}}%
3897 {\{\thirdTitleFormat #1}}%
3898 }\end{spacing}%
3899 }
3900 \newcommand{\thirdSubtitleFormat}{\large}
3901 \newcommand{xepersian@thirdSubtitle}[1]{%
3902 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3903 \newcommand{\thirdTextFormat}{}
3904 \newcommand{xepersian@thirdText}[1]{\{\thirdTextFormat #1}}
3905 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3906 \newcommand{xepersian@pictureCaption}[1]{%
3907 {\noindent\pictureCaptionFormat #1}}%
3908 }
3909 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3910 \newcommand{xepersian@pages}[1]{%

```



```

3911 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3912 \newcommand{\innerTitleFormat}{\Huge}
3913 \newcommand{\xepersian@innerTitle}[1]{%
3914 \begin{flushright}{%
3915 \noindent
3916 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3917 {\nohyphens{\innerTitleFormat #1}}%
3918 {\{\innerTitleFormat #1}}%
3919 }%
3920 \\\%
3921 \end{flushright}}%
3922 }
3923 \newcommand{\innerSubtitleFormat}{\large}
3924 \newcommand{\xepersian@innerSubtitle}[1]{\{\innerSubtitleFormat #1}}
3925 \newcommand{\timestampTxt}{}
3926 \newcommand{\timestampSeparator}{|}
3927 \newcommand{\timestampFormat}{\small}
3928 \newcommand{\timestamp}[1]{%
3929 {\timestampFormat%
3930 #1~\timestampTxt}%
3931 }~\timestampSeparator}%
3932 }
3933 \newcommand{\innerAuthorFormat}{\footnotesize}
3934 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3935 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3936 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3937 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3938 \newcommand{\editorialAuthorFormat}{\textsc}
3939 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3940 \newcommand{\xepersian@shortarticleTitle}[1]{\{\shortarticleTitleFormat #1}}
3941 \newcommand{\shortarticleSubtitleFormat}{\Large}
3942 \newcommand{\xepersian@shortarticleSubtitle}[1]{\{\shortarticleSubtitleFormat #1}}
3943 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3944 \newcommand{\xepersian@shortarticleItemTitle}[1]{\{\shortarticleItemTitleFormat #1}}
3945 \renewcommand{\maketitle}{\begin{titlepage}%
3946 \let\footnotesize\small
3947 \let\footnoterule\relax
3948 \let \footnote \thanks
3949 \null\vfil
3950 \vskip 60\p@
3951 \begin{center}%
3952 {\LARGE \@title \par}%
3953 \vskip 1em%
3954 {\LARGE «\xepersian@edition» \par}%
3955 \vskip 3em%
3956 {\large
3957 \lineskip .75em%
3958 \begin{tabular}[t]{c}%
3959 \@author
3960 \end{tabular}\par}%

```



```

3961     \vskip 1.5em%
3962     {\large \@date \par}%
3963 \end{center}\par
3964 \@thanks
3965 \vfil\null
3966 \end{titlepage}%
3967 \setcounter{footnote}{0}%
3968 \global\let\thanks\relax
3969 \global\let\maketitle\relax
3970 \global\let\@thanks\@empty
3971 \global\let\@author\@empty
3972 \global\let\@date\@empty
3973 \global\let\@title\@empty
3974 \global\let\title\relax
3975 \global\let\author\relax
3976 \global\let\date\relax
3977 \global\let\and\relax
3978 }
3979 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3980 \newsavebox{\xepersian@fmbox}
3981 \newenvironment{xepersian@fmpage}[1]
3982  {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3983  {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3984 \newcommand{\image}[2]{
3985  \vspace{5pt}
3986  \setlength{\fboxsep}{1pt}
3987  \addtolength{\xepersian@imgsize}{\columnwidth}
3988  \addtolength{\xepersian@imgsize}{-1\columnsep}
3989  \ifxetex
3990  \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3991  \addtolength{\xepersian@pageneed}{50pt}
3992  \ClassWarning{xepersian-magazine}{%
3993  Image #1 needs: \the\xepersian@pageneed \space %
3994  and there is left: \the\page@free\space%
3995  }
3996  \ifdim \xepersian@pageneed < \page@free
3997
3998  {\centering\fbox{%
3999  \includegraphics[width = \xepersian@imgsize,
4000  height = \xepersian@imgsize,
4001  keepaspectratio ]{#1}}}
4002  \xepersian@pictureCaption{#2}
4003
4004  \vspace{5pt}
4005  \else
4006  \ClassWarning{Image #1 needs more space!%
4007  It was not inserted!}
4008  \fi
4009  \fi
4010  }

```



```

4011 \textblockorigin{1cm}{1cm}
4012 \newdimen\xepersian@dx
4013 \newdimen\xepersian@dy
4014 \newcount\xepersian@cx
4015 \newcount\xepersian@cy
4016 \newcommand{\grid}[3][]{
4017 \xepersian@dx=\textwidth%
4018 \xepersian@dy=\textheight%
4019 \xepersian@cx=#3% %columns
4020 \xepersian@cy=#2% %rows
4021
4022 \count1=#3%
4023 \advance\count1 by 1
4024
4025 \count2=#2%
4026 \advance\count2 by 1
4027
4028 \divide\xepersian@dx by #3
4029 \divide\xepersian@dy by #2
4030
4031 \setlength{\TPHorizModule}{\xepersian@dx}
4032 \setlength{\TPVertModule}{\xepersian@dy}
4033
4034 \ifthenelse{\equal{#1}{show}}{
4035 \multido{\xepersian@nrow=0+1}{\count2}{
4036 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4037 \rule[0pt]{\textwidth}{.1pt}
4038 \end{textblock}
4039 }
4040
4041 \multido{\xepersian@ncol=0+1}{\count1}{
4042 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4043 \rule[0pt]{.1pt}{\textheight}
4044 \end{textblock}
4045 }
4046 }{}
4047 }
4048 \newcommand{\xepersianInit}{
4049 \setlength{\headheight}{14pt}
4050 \renewcommand{\headrulewidth}{0.4pt}
4051
4052 \pagestyle{fancy}
4053
4054 \setlength{\columnseprule}{\columnlines}
4055 \setlength{\fboxrule}{0.1 pt}
4056
4057 }
4058
4059 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4060 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}

```



```

4061 \def\custommagazinename#1{\gdef\@custommagazinename{\beginR#1\endR}}
4062 \newcommand{\logo}[0]{
4063 %% Heading %%
4064 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4065
4066 \vspace*{-3pt}
4067
4068 {\Large\bfseries \@customlogo}
4069 \hrulefill
4070 \hspace{10pt}\xepersian@headDateTime
4071
4072 }
4073 \newcommand{\minilogo}[0]{
4074 {\large\bfseries \@customminilogo}
4075
4076 \vspace*{5pt}
4077 }
4078 \newcommand{\mylogo}[1]{
4079 {\beginR#1\endR}
4080
4081 \noindent
4082 \xepersian@editionLogo\hspace{5pt}
4083 \hrulefill
4084 \hspace{5pt}\xepersian@headDateTime
4085 }
4086 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}-{#1}}
4087 \newenvironment{frontpage}[0]
4088 {
4089 \setboolean{xepersian@insidefrontpage}{true}
4090 \thispagestyle{empty}
4091 \logo
4092
4093 }%
4094 {
4095 \thispagestyle{empty}
4096 \clearpage
4097 \newpage
4098 \fancyhead{}
4099 \fancyfoot{}
4100 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4101 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4102 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4103 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4104 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4105 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4106 \renewcommand{\headrulewidth}{0.4pt}
4107 \setboolean{xepersian@insidefrontpage}{false}
4108
4109 }
4110 \newcommand{\firstarticle}[3]

```



```

4111 {
4112 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4113 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4114 \begin{textblock}{24}(22,5)
4115 }
4116 {
4117 \begin{textblock}{28}(22,5)
4118 }
4119 \vspace{-7pt}
4120 \xepersian@firstTitle{#1}
4121 \end{textblock}
4122 \begin{textblock}{29}(22,10)
4123 \vspace{5pt plus 2pt minus 2pt}
4124
4125 \xepersian@firstText{\timestamp{#3}~#2}
4126
4127 \end{textblock}
4128
4129 \begin{textblock}{50}(0,15)
4130 \rule{50\TPHorizModule}{.3pt}
4131 \end{textblock}
4132 }{%else
4133 \ClassError{xepersian-magazine}{%
4134 \protect\firstarticle\space in a wrong place.\MessageBreak
4135 \protect\firstarticle\space may only appear inside frontpage environment.
4136 }{%
4137 \protect\firstarticle\space may only appear inside frontpage environment.
4138 }%
4139 }
4140 }
4141 \newcommand{\secondarticle}[5]
4142 {
4143 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4144 \begin{textblock}{33}(2,16)
4145 \xepersian@pages{#4}
4146 \vspace{-5pt}
4147 \xepersian@secondTitle{#1}
4148
4149 \vspace*{5pt}
4150
4151 \xepersian@secondSubtitle{#2}
4152
4153 \vspace*{-7pt}
4154
4155 \xepersian@secondText{\timestamp{#5}~#3}
4156
4157 \end{textblock}
4158
4159 \begin{textblock}{33}(2,25)
4160 \vspace{5pt plus 2pt minus 2pt}

```



```

4161
4162 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4163 \end{textblock}
4164 }{%else
4165 \ClassError{xepersian-magazine}{%
4166 \protect\secondarticle\space in a wrong place.\MessageBreak
4167 \protect\secondarticle\space may only appear inside frontpage environment.
4168 }{%
4169 \protect\secondarticle\space may only appear inside frontpage environment.
4170 }%
4171 }
4172 }
4173 \newcommand{\thirdarticle}[6]
4174 {
4175 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4176 \begin{textblock}{32}(2,26)
4177 \xepersian@pages{#5}
4178 \vspace{-5pt}
4179 \setlength{\fboxsep}{1pt}
4180 \xepersian@thirdTitle{#1}
4181
4182 \vspace*{5pt}
4183
4184 \xepersian@thirdSubtitle{#2}
4185
4186 \vspace*{5pt}
4187
4188 {\noindent\ignorespaces %
4189 \ifthenelse{\equal{#4}{}}{}}
4190
4191 \xepersian@thirdText{\timestamp{#6}-#3}
4192
4193 }
4194
4195 \vspace*{5pt}
4196
4197 \end{textblock}
4198 }{%else
4199 \ClassError{xepersian-magazine}{%
4200 \protect\thirdarticle\space in a wrong place.\MessageBreak
4201 \protect\thirdarticle\space may only appear inside frontpage environment.
4202 }{%
4203 \protect\thirdarticle\space may only appear inside frontpage environment.
4204 }%
4205 }
4206 }
4207 \newcommand{\firstimage}[2]
4208 {
4209 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4210 \begin{textblock}{18}(2,5)

```



```

4211 \setlength{\fboxsep}{1pt}
4212 \ifxetex % only in PDF
4213 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4214 \fi
4215
4216 \xepersian@pictureCaption{#2}
4217 \end{textblock}%
4218 }
4219 {\ClassError{xepersian-magazine}{%
4220 \protect\firstimage\space in a wrong place.\MessageBreak
4221 \protect\firstimage\space may only appear inside frontpage environment.
4222 }{%
4223 \protect\firstimage\space may only appear inside frontpage environment.
4224 }}
4225 }%
4226 \newcommand{\weatheritem}[5]{%
4227 \ifthenelse{\boolean{xepersian@insideweather}}{
4228 \begin{minipage}{45pt}
4229 \ifxetex
4230 \includegraphics[width=40pt]{#1}
4231 \fi
4232 \end{minipage}
4233 \begin{minipage}{50pt}
4234 \weatherTempFormat
4235 #2\\
4236 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\
4237 #5
4238 \end{minipage}
4239 }{%else
4240 \ClassError{xepersian-magazine}{%
4241 \protect\weatheritem\space in a wrong place.\MessageBreak
4242 \protect\weatheritem\space may only appear inside weatherblock environment.
4243 }{%
4244 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4245 weatherblock environment may only appear inside frontpage environment.
4246 }%
4247 }
4248 }
4249 \newenvironment{weatherblock}[1]
4250 {
4251 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4252 \setboolean{xepersian@insideweather}{true}
4253 \begin{textblock}{32}(2,38)
4254 \vspace*{-15pt}
4255
4256 \xepersian@weather{\beginR#1\endR}
4257
4258 \vspace*{5pt}
4259
4260 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}

```



```

4261 \begin{minipage}{32\TPHorizModule}
4262 \hspace{5pt}
4263
4264 }{%
4265 \ClassError{xepersian-magazine}{%
4266 weatherblock in a wrong place.\MessageBreak
4267 weatherblock may only appear inside frontpage environment.
4268 }{%
4269 weatherblock may only appear inside frontpage environment.
4270 }
4271 }
4272 }%
4273 {
4274 \end{minipage}
4275 \end{xepersian@fmpage}
4276 \end{textblock}
4277 \setboolean{xepersian@insideweather}{false}
4278 }
4279 \newenvironment{authorblock}[0]
4280 {
4281 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4282 \begin{textblock}{15}(36,35)
4283 \setlength{\fboxsep}{5pt}
4284 \begin{xepersian@fmpage}{13\TPHorizModule}
4285 \begin{minipage}{13\TPHorizModule}
4286 \centering
4287 \minilogo
4288
4289 }{%else
4290 \ClassError{xepersian-magazine}{%
4291 authorblock in a wrong place.\MessageBreak
4292 authorblock may only appear inside frontpage environment.
4293 }{%
4294 authorblock may only appear inside frontpage environment.
4295 }
4296 }
4297 }
4298 {
4299 \end{minipage}
4300 \end{xepersian@fmpage}
4301 \end{textblock}
4302 }
4303 \newenvironment{indexblock}[1]
4304 {
4305 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4306 \setboolean{xepersian@insideindex}{true}%let's in
4307 \begin{textblock}{15}(36,16)
4308 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4309 \xepersian@indexFrameTitle{#1}
4310

```



```

4311 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4312 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4313 \begin{minipage}{\xepersian@indexwidth}
4314 \vspace*{10pt}
4315 }{%else
4316 \ClassError{xepersian-magazine}{%
4317 indexblock in a wrong place.\MessageBreak
4318 indexblock may only appear inside frontpage environment.
4319 }{%
4320 indexblock may only appear inside frontpage environment.
4321 }
4322 }
4323 }%
4324 {
4325 \end{minipage}
4326 \end{xepersian@fmpage}
4327 \end{textblock}
4328 \setboolean{xepersian@insideindex}{false}%let's out
4329 }
4330 \newcommand{\indexitem}[2]
4331 {
4332 \ifthenelse{\boolean{xepersian@insideindex}}{
4333 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4334
4335 \vspace{0.5cm}
4336
4337 \noindent\ignorespaces\indexEntrySeparator{}
4338 }{%else
4339 \ClassError{xepersian-magazine}{%
4340 \protect\indexitem\space in a wrong place.\MessageBreak
4341 \protect\indexitem\space may only appear inside indexblock environment.
4342 }{%
4343 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4344 indexblock environment may only appear inside frontpage environment.
4345 }%
4346 }
4347 }
4348 \newcommand{\xepersian@inexpandedtitle}[1]{
4349 \begin{minipage}{.95\textwidth}
4350 \begin{center}
4351 \noindent\Large\textbf{\beginR#1\endR}
4352 \end{center}
4353 \end{minipage}
4354 }
4355 \newcommand{\expandedtitle}[2]{
4356 \end{multicols}
4357
4358 \begin{center}
4359 \setlength{\fboxsep}{5pt}
4360 \setlength{\shadowsize}{2pt}

```



```

4361 \ifthenelse{\equal{#1}{shadowbox}}{%
4362 \shadowbox{%
4363 \xepersian@inexpandedtitle{#2}%
4364 }%
4365 }{}
4366 \ifthenelse{\equal{#1}{doublebox}}{%
4367 \doublebox{%
4368 \xepersian@inexpandedtitle{#2}%
4369 }%
4370 }{}
4371 \ifthenelse{\equal{#1}{ovalbox}}{%
4372 \ovalbox{%
4373 \xepersian@inexpandedtitle{#2}%
4374 }%
4375 }{}
4376 \ifthenelse{\equal{#1}{Oovalbox}}{%
4377 \Oovalbox{%
4378 \xepersian@inexpandedtitle{#2}%
4379 }%
4380 }{}
4381 \ifthenelse{\equal{#1}{lines}}{
4382 \hrule
4383 \vspace*{8pt}
4384 \begin{center}
4385 \noindent\Large\textbf{#2}
4386 \end{center}
4387 \vspace*{8pt}
4388 \hrule
4389 }{}
4390 \end{center}
4391
4392 \begin{multicols}{\xepersian@ncolumns}
4393 \ifnum \xepersian@ncolumns > \minraggedcols
4394 \raggedFormat
4395 \fi
4396 }
4397 \newcommand{\xepersian@incolumntitle}[2]{
4398 \begin{minipage}{#1}
4399 \begin{center}
4400 \noindent\normalsize\textbf{#2}
4401 \end{center}
4402 \end{minipage}
4403 }
4404
4405 \newcommand{\columntitle}[2]{
4406 \vspace*{5pt}
4407 \begin{center}
4408 \setlength{\fboxsep}{5pt}
4409 \setlength{\shadowsize}{2pt}
4410 \addtolength{\xepersian@coltitsize}{\columnwidth}

```



```

4411 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4412 \addtolength{\xepersian@coltitsize}{-5pt}
4413 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4414 \ifthenelse{\equal{#1}{shadowbox}}{%
4415 \shadowbox{%
4416 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4417 }%
4418 }{}
4419 \ifthenelse{\equal{#1}{doublebox}}{%
4420 \doublebox{%
4421 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4422 }%
4423 }{}
4424 \ifthenelse{\equal{#1}{ovalbox}}{%
4425 \ovalbox{%
4426 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4427 }%
4428 }{}
4429 \ifthenelse{\equal{#1}{Ovalbox}}{%
4430 \Ovalbox{%
4431 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4432 }%
4433 }{}
4434 \ifthenelse{\equal{#1}{lines}}{
4435 \hrule
4436 \vspace*{5pt}
4437 \begin{center}
4438 \noindent\normalsize\textbf{#2}
4439 \end{center}
4440 \vspace*{5pt}
4441 \hrule
4442 }{}
4443 \end{center}
4444 }
4445 \renewcommand{\date}{%
4446 \longdate{\today}%
4447 }
4448 \newcommand{\authorandplace}[2]{%
4449 \rightline{%
4450 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4451 }%
4452 \par %
4453 }
4454 \newcommand{\newsection}[1]{
4455 \renewcommand{\xepersian@section}{#1}
4456 }
4457 \newenvironment{article}[5]
4458 {
4459 \xepersian@say{Adding a new piece of article}
4460 \renewcommand{\xepersian@ncolumns}{#1}

```



```

4461 \begin{multicols}{#1}[
4462 \xepersian@pages{#4}
4463 \xepersian@innerTitle{#2}%
4464 \xepersian@innerSubtitle{#3}%
4465 ] [4cm]%
4466 \label{#5}
4467 \ifnum #1 > \minraggedcols
4468 \raggedFormat
4469 \fi
4470 }
4471 {\~\innerTextFinalMark{}}
4472 \end{multicols}
4473 }
4474 \newcommand{\articlesep}{%
4475 \setlength{\xepersian@pageneed}{16000pt}
4476 \setlength\xepersian@pageleft{\pagegoal}
4477 \addtolength\xepersian@pageleft{-\pagetotal}
4478
4479 \xepersian@say{How much left \the\xepersian@pageleft}
4480
4481 \ifdim \xepersian@pageneed < \xepersian@pageleft
4482 \xepersian@say{Not enough space}
4483 \else
4484 \xepersian@say{Adding sep line between articles}
4485 \vspace*{10pt plus 10pt minus 5pt}
4486 \hrule
4487 \vspace*{10pt plus 5pt minus 5pt}
4488 \fi
4489
4490 }
4491 \newcommand{\xepersian@editorialTit}[2]{
4492 \setlength{\arrayrulewidth}{.1pt}
4493 \begin{center}
4494 \begin{tabular}{c}
4495 \noindent
4496 \xepersian@editorialTitle{#1}
4497 \vspace{2pt plus 1pt minus 1pt}
4498 \\
4499 \hline
4500 \vspace{2pt plus 1pt minus 1pt}
4501 \\
4502 \editorialAuthorFormat{#2}
4503 \end{tabular}
4504 \end{center}
4505 }
4506 \newenvironment{editorial}[4]
4507 {
4508 \xepersian@say{Adding a new editorial}
4509 \begin{multicols}{#1}[%
4510 \xepersian@editorialTit{#2}{#3}%

```



```

4511 ] [4cm]
4512 \label{#4}
4513 \ifnum #1 > \minraggedcols
4514 \raggedFormat
4515 \fi
4516 }
4517 {
4518 \end{multicols}
4519 }
4520 \newcommand{\xepersian@shortarticleTit}[2]{
4521 \begin{center}
4522 \vbox{%
4523 \noindent
4524 \xepersian@shortarticleTitle{#1}
4525 \vspace{4pt plus 2pt minus 2pt}
4526 \hrule
4527 \vspace{4pt plus 2pt minus 2pt}
4528 \xepersian@shortarticleSubtitle{#2}
4529 }
4530 \end{center}
4531 }
4532 \newenvironment{shortarticle}[4]
4533 {
4534 \xepersian@say{Adding a short article block}
4535 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4536 \label{#4}
4537 \par %
4538 \ifnum #1 > \minraggedcols
4539 \raggedFormat
4540 \fi
4541 }
4542 {
4543 \end{multicols}
4544 }
4545 \newcommand{\shortarticleitem}[2]{
4546 \goodbreak
4547 \vspace{5pt plus 3pt minus 3pt}
4548 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4549 \vspace{5pt plus 3pt minus 3pt}
4550 {\noindent #2}\
4551 }

```

7.57 xepersian-mathsdigitspec.sty

```

4552 \NeedsTeXFormat{LaTeX2e}
4553 \ProvidesPackage{xepersian-mathsdigitspec}
4554 [2016/05/03 v1.1.2 Unicode Persian maths digits in XeLaTeX]
4555 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cc1vi}
4556 \let\newfam\new@mathgroup
4557 \def\select@group#1#2#3#4{%

```



```

4558 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4559 {%
4560 \ifmmode
4561 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4562 \begingroup
4563 \escapechar\m@ne
4564 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4565 \globaldefs\@ne \math@fonts
4566 \endgroup
4567 \init@restore@version
4568 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4569 {\number\csname c@mv@\math@version\endcsname}}}%
4570 \global\advance\csname c@mv@\math@version\endcsname\@ne
4571 \else
4572 \let#1\relax
4573 \@latex@error{Too many math alphabets used in
4574 version \math@version}%
4575 \@eha
4576 \fi
4577 \else \expandafter\non@alpherr\fi
4578 #1{#4}%
4579 }%
4580 }
4581 \def\document@select@group#1#2#3#4{%
4582 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4583 {%
4584 \ifmmode
4585 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4586 \begingroup
4587 \escapechar\m@ne
4588 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4589 \globaldefs\@ne \math@fonts
4590 \endgroup
4591 \expandafter\extract@alph@from@version
4592 \csname mv@\math@version\expandafter\endcsname
4593 \expandafter{\number\csname
4594 c@mv@\math@version\endcsname}%
4595 #1%
4596 \global\advance\csname c@mv@\math@version\endcsname\@ne
4597 \else
4598 \let#1\relax
4599 \@latex@error{Too many math alphabets used
4600 in version \math@version}%
4601 \@eha
4602 \fi
4603 \else \expandafter\non@alpherr\fi
4604 #1{#4}%
4605 }%
4606 }
4607 \ExplSyntaxOn

```



```

4608 \bool_set_false:N \g__fontspec_math_bool
4609 \tl_map_inline:nn
4610 {
4611   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4612   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4613   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4614   \version@list\version@elt\alpha@list\alpha@elt
4615   \restore@mathversion\init@restore@version\dorestore@version\process@table
4616   \new@mathversion\DeclareSymbolFont\group@list\group@elt
4617   \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4618   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4619   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4620   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4621   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4622   \set@@mathdelimiter\DeclareMathRadical\mathchar@type
4623   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4624 }
4625 {
4626   \tl_remove_once:Nn \@preamblecmds {\do#1}
4627 }
4628 \ExplSyntaxOff
4629 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4630 \newcommand\SetMathCode[4]{%
4631   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4632 \newcommand\SetMathCharDef[4]{%
4633   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4634 \ExplSyntaxOn
4635 \cs_new_eq:NN \orig_mathbf:n \mathbf
4636 \cs_new_eq:NN \orig_mathit:n \mathit
4637 \cs_new_eq:NN \orig_mathrm:n \mathrm
4638 \cs_new_eq:NN \orig_mathsf:n \mathsf
4639 \cs_new_eq:NN \orig_mathtt:n \mathtt
4640 \NewDocumentCommand \new@mathbf { m } {
4641   \orig_mathbf:n {
4642     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4643       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4644     }
4645     #1
4646   }
4647 }
4648 \NewDocumentCommand \new@mathit { m } {
4649   \orig_mathit:n {
4650     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4651       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4652     }
4653     #1
4654   }
4655 }
4656 \NewDocumentCommand \new@mathrm { m } {
4657   \orig_mathrm:n {

```



```

4658 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4659 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4660 }
4661 #1
4662 }
4663 }
4664 \NewDocumentCommand \new@mathsf{ m } {
4665 \orig_mathsf:n {
4666 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4667 \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4668 }
4669 #1
4670 }
4671 }
4672 \NewDocumentCommand \new@mathhtt{ m } {
4673 \orig_mathhtt:n {
4674 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4675 \mathcode ##1 = \numexpr "100 * \symnew@mathhtt@font@digits + ##1 \relax
4676 }
4677 #1
4678 }
4679 }
4680 \DeclareDocumentCommand \setdigitfont { o m }{%
4681 \let\glb@currsz\relax
4682 \__fontspec_pass_args:nnn \__xepersian_setdigitfont:nn {#1} {#2} }
4683
4684 \cs_new:Nn \__xepersian_setdigitfont:nn
4685 {
4686 \fontspec_set_family:Nnn \xepersian@digits@family {Mapping=parsidigits,#1} {#2}
4687 \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4688 \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\xepersian@digits@family} {m}{n}
4689 \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\xepersian@digits@family}
4690 \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\xepersian@digits@family}
4691 \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\xepersian@digits@family}
4692 \def\xepersianmathsdigits{%
4693 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4694 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4695 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4696 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4697 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4698 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4699 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4700 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4701 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4702 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4703 \SetMathCode{`\,}{\mathbin}{OPERATORS}{` }
4704 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4705 \cs_set_eq:NN \mathbf \new@mathbf
4706 \cs_set_eq:NN \mathit \new@mathit

```



```

4707 \cs_set_eq:NN \mathrm \new@mathrm}
4708 }
4709 \DeclareDocumentCommand \setmathsfdigitfont { o m }
4710 { \_fontspec_pass_args:nnn \_xepersian_setmathsfdigitfont:nn {#1} {#2} }
4711
4712 \cs_new:Nn \_xepersian_setmathsfdigitfont:nn
4713 {
4714 \fontspec_set_family:Nnn \g\_fontspec_mathsf_tl {Mapping=parsidigits,#1} {#2}
4715 \DeclareSymbolFont{new@mathsf@font@digits}{\g\_fontspec_encoding_tl}{\g\_fontspec_mathsf_tl}{m
4716 \def\persianmathsfdigits{\cs_set_eq:NN \mathsf \new@mathsf}
4717 }
4718 \DeclareDocumentCommand \setmathttdigitfont { o m }
4719 { \_fontspec_pass_args:nnn \_xepersian_setmathttdigitfont:nn {#1} {#2} }
4720
4721 \cs_new:Nn \_xepersian_setmathttdigitfont:nn
4722 {
4723 \fontspec_set_family:Nnn \g\_fontspec_mathtt_tl {Mapping=parsidigits,#1} {#2}
4724 \DeclareSymbolFont{new@mathtt@font@digits}{\g\_fontspec_encoding_tl}{\g\_fontspec_mathtt_tl}{m
4725 \def\persianmathttdigits{\cs_set_eq:NN \mathtt \new@mathtt}
4726 }
4727 \ExplSyntaxOff
4728 \ifx\newcommand\undefined\else
4729 \newcommand{\ZifferAn}{}
4730 \fi
4731 \mathchardef\ziffer@DotOri="013A
4732 {\ZifferAn
4733 \catcode\.\=active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4734 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4735 \def\ziffer@check#1#2{%
4736 \ifx\n1\endgroup#1\else
4737 \ifx\n2\endgroup#1\else
4738 \ifx\n3\endgroup#1\else
4739 \ifx\n4\endgroup#1\else
4740 \ifx\n5\endgroup#1\else
4741 \ifx\n6\endgroup#1\else
4742 \ifx\n7\endgroup#1\else
4743 \ifx\n8\endgroup#1\else
4744 \ifx\n9\endgroup#1\else
4745 \ifx\n0\endgroup#1\else
4746 \ifx\n\overline\endgroup#1\else
4747 \endgroup#2%
4748 \fi
4749 \fi
4750 \fi
4751 \fi
4752 \fi
4753 \fi
4754 \fi
4755 \fi
4756 \fi

```



```

4757 \fi
4758 \fi}
4759 \mathcode`.="8000\relax
4760 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
4761 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4762 \def\PersianMathsDigits{\def\SetMathsDigits{%
4763 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4764 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4765 \ifx\persianmathstdigits\undefined\else\persianmathstdigits\fi}}
4766 \def\AutoMathsDigits{\def\SetMathsDigits{%
4767 \ifx\persianmathsdigits\undefined\else@if@Latin\else\persianmathsdigits\fi\fi%
4768 \ifx\persianmathsfdigits\undefined\else@if@Latin\else\persianmathsfdigits\fi\fi%
4769 \ifx\persianmathstdigits\undefined\else@if@Latin\else\persianmathstdigits\fi\fi}}
4770 \AutoMathsDigits
4771 \everymath\expandafter{\the\everymath\SetMathsDigits}
4772 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

7.58 xepersian-multiplechoice.sty

```

4773 \NeedsTeXFormat{LaTeX2e}
4774 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4775 Multiple Choice Questionnaire class for Persian in XeLaTeX]
4776 \RequirePackage{pifont}
4777 \RequirePackage{fullpage}
4778 \RequirePackage{ifthen}
4779 \RequirePackage{calc}
4780 \RequirePackage{verbatim}
4781 \RequirePackage{tabularx}
4782 \def\@headerfont{\bfseries}
4783 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4784 \def\@X{X}
4785 \newcommand\X[1]{\gdef\@X{#1}}
4786 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4787 \newcolumnntype{D}{>{\pbs\centering}X}
4788 \newcolumnntype{Q}{>{\@headerfont}X}
4789
4790 \renewcommand\tabularxcolumn[1]{m{#1}}
4791 \newcommand\makeform@nocorrection{%
4792 \addtocontents{frm}{\protect\end{tabularx}}
4793 \@starttoc{frm}}
4794 \newcommand\makeform@correction{%
4795 \addtocontents{frm}{\protect\end{tabularx}}}
4796 \newcommand\makemask@nocorrection{%
4797 \addtocontents{msk}{\protect\end{tabularx}}
4798 \@starttoc{msk}}
4799 \newcommand\makemask@correction{%
4800 \addtocontents{msk}{\protect\end{tabularx}}}
4801 \newlength\questionspace
4802 \setlength\questionspace{0pt}
4803 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}

```



```

4804 \def\@answerstitlefont{\bfseries}
4805 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4806 \def\@answernumberfont{\bfseries}
4807 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4808 \newcounter{question}\stepcounter{question}
4809 \newcounter{@choice}
4810 \def\@initorcheck{%
4811   \xdef\@choices{\the@choice}%
4812   \setcounter{@choice}{1}%
4813   \gdef\@arraydesc{|Q||}%
4814   \gdef\@headerline{}%
4815   \whiledo{\not{\value{@choice}>\@choices}}{
4816     \xdef\@arraydesc{\@arraydesc D|}
4817     \def\@appendheader{\g@addto@macro\@headerline}
4818     \appendheader{&\protect\@headerfont}
4819     \edef\@the@choice{\alph{@choice}}
4820     \expandafter\@appendheader\@the@choice
4821     \stepcounter{@choice}}%
4822   \addtocontents{frm}{%
4823     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4824     \protect\hline
4825     \@headerline\protect\\protect\hline\protect\hline}%
4826   \addtocontents{msk}{%
4827     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4828     \protect\hline
4829     \@headerline\protect\\protect\hline\protect\hline}%
4830   \gdef\@initorcheck{%
4831     \ifthenelse{\value{@choice} = \@choices}{}{%
4832       \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4833         (\the@choice\space instead of \@choices)}{%
4834         Questions must all have the same number of proposed answers.%
4835         \MessageBreak
4836         Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}}
4837 \newenvironment{question}[1]{%
4838   %% \begin{question}
4839   \begin{minipage}{\textwidth}
4840     \xdef\@formanswerline{\@questionheader}%
4841     \xdef\@maskanswerline{\@questionheader}%
4842     \fbox{\parbox[c]{\linewidth}{#1}}
4843     \vspace\questionspace\par
4844     {\@answerstitlefont\@answerstitle}
4845     \begin{list}{\@answernumberfont\alph{@choice}}{-}{\usecounter{@choice}}{%
4846     %% \end{question}
4847     \end{list}
4848     \@initorcheck%
4849     \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
4850     \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
4851   \end{minipage}
4852   \stepcounter{question}}
4853 \def\@truesymbol{\ding{52}~}

```



```

4854 \def\@falsesymbol{\ding{56}~}
4855 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4856 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4857 \def\@true@nocorrection{\item}
4858 \def\@false@nocorrection{\item}
4859 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4860 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4861 \newcommand\true{%
4862   \xdef\@formanswerline{\@formanswerline&}%
4863   \xdef\@maskanswerline{\@maskanswerline&\@X}%
4864   \@true}%
4865 \newcommand>false{%
4866   \xdef\@formanswerline{\@formanswerline&}%
4867   \xdef\@maskanswerline{\@maskanswerline&}%
4868   \@false}%
4869 \def\@correctionstyle{\itshape}
4870 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4871 \newenvironment{correction}{\@correctionstyle}{\}
4872 \def\@questionheader{ \thequestion}
4873 \answerstyle{ :}
4874 \DeclareOption{nocorrection}{%
4875   \let\@true\@true@nocorrection
4876   \let\@false\@false@nocorrection
4877   \let\correction\comment
4878   \let\endcorrection\endcomment}
4879 \def\makeform{\makeform@nocorrection}
4880 \def\makemask{\makemask@nocorrection}
4881 \DeclareOption{correction}{%
4882   \let\@true\@true@correction
4883   \let\@false\@false@correction
4884   \let\correction\@correction
4885   \let\endcorrection\end@correction}
4886 \def\makeform{\makeform@correction}
4887 \def\makemask{\makemask@correction}
4888 \ExecuteOptions{nocorrection}
4889 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4890 \def\@questiontitlefont{\bfseries}
4891 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4892 \newlength\questiontitlespace
4893 \setlength\questiontitlespace{5pt}
4894 \newlength\questionsepspace
4895 \setlength\questionsepspace{20pt}
4896 \gdef\@questionsepspace{0pt}
4897 \let\old@question\question
4898 \let\old@endquestion\endquestion
4899 \renewenvironment{question}[1]{%
4900   %% \begin{question}
4901   \vspace\@questionsepspace
4902   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4903   \nopagebreak\vspace\questiontitlespace\par

```



```

4904 \old@question{#1}}{%
4905 %% \end{question}
4906 \old@endquestion
4907 \gdef\@questionsepspace{\questionsepspace}}
4908 \questiontitle{ \thequestion:}
4909 \ProcessOptions

```

7.59 xepersian-persiancal.sty

```

4910 \NeedsTeXFormat{LaTeX2e}
4911 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4912
4913 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4914 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4915 \newcount\XePersian@latini \newcount\XePersian@persiani
4916 \newcount\XePersian@latinii \newcount\XePersian@persianii
4917 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4918 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4919 \newcount\XePersian@latinv \newcount\XePersian@persianv
4920 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4921 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4922 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4923 \newcount\XePersian@latinix \newcount\XePersian@persianix
4924 \newcount\XePersian@latinx \newcount\XePersian@persianx
4925 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4926 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4927 \newcount\XePersian@persianxiii
4928
4929 \newcount\XePersian@temp
4930 \newcount\XePersian@temptwo
4931 \newcount\XePersian@tempthree
4932 \newcount\XePersian@yModHundred
4933 \newcount\XePersian@thirtytwo
4934 \newcount\XePersian@dn
4935 \newcount\XePersian@sn
4936 \newcount\XePersian@mminusone
4937
4938
4939 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4940 \XePersian@temp=\XePersian@y
4941 \divide\XePersian@temp by 100\relax
4942 \multiply\XePersian@temp by 100\relax
4943 \XePersian@yModHundred=\XePersian@y
4944 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4945 \ifodd\XePersian@yModHundred
4946 \XePersian@leapfalse
4947 \else
4948 \XePersian@temp=\XePersian@yModHundred
4949 \divide\XePersian@temp by 2\relax
4950 \ifodd\XePersian@temp\XePersian@leapfalse

```



```

4951 \else
4952 \ifnum\XePersian@yModHundred=0%
4953 \XePersian@temp=\XePersian@y
4954 \divide\XePersian@temp by 400\relax
4955 \multiply\XePersian@temp by 400\relax
4956 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4957 \else\XePersian@leaptrue
4958 \fi
4959 \fi
4960 \fi
4961 \XePersian@latini=31\relax
4962 \ifXePersian@leap
4963 \XePersian@latinii = 29\relax
4964 \else
4965 \XePersian@latinii = 28\relax
4966 \fi
4967 \XePersian@latiniii = 31\relax
4968 \XePersian@latiniv = 30\relax
4969 \XePersian@latinv = 31\relax
4970 \XePersian@latinvi = 30\relax
4971 \XePersian@latinvii = 31\relax
4972 \XePersian@latinviii = 31\relax
4973 \XePersian@latinix = 30\relax
4974 \XePersian@latinx = 31\relax
4975 \XePersian@latinxi = 30\relax
4976 \XePersian@latinxii = 31\relax
4977 \XePersian@thirtytwo=32\relax
4978 \XePersian@temp=\XePersian@y
4979 \advance\XePersian@temp by -17\relax
4980 \XePersian@temptwo=\XePersian@temp
4981 \divide\XePersian@temptwo by 33\relax
4982 \multiply\XePersian@temptwo by 33\relax
4983 \advance\XePersian@temp by -\XePersian@temptwo
4984 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4985 \else
4986 \XePersian@temptwo=\XePersian@temp
4987 \divide\XePersian@temptwo by 4\relax
4988 \multiply\XePersian@temptwo by 4\relax
4989 \advance\XePersian@temp by -\XePersian@temptwo
4990 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4991 \fi
4992 \XePersian@tempthree=\XePersian@y % Number of Leap years
4993 \advance\XePersian@tempthree by -1
4994 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4995 \divide\XePersian@temp by 4\relax
4996 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4997 \divide\XePersian@temptwo by 100\relax
4998 \advance\XePersian@temp by -\XePersian@temptwo
4999 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5000 \divide\XePersian@temptwo by 400\relax

```



```

5001 \advance\XePersian@temp by \XePersian@temptwo
5002 \advance\XePersian@tempthree by -611 % Number of Kabise years
5003 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5004 \divide\XePersian@temptwo by 33\relax
5005 \multiply\XePersian@temptwo by 8\relax
5006 \advance\XePersian@temp by -\XePersian@temptwo
5007 \XePersian@temptwo=\XePersian@tempthree %
5008 \divide\XePersian@temptwo by 33\relax
5009 \multiply\XePersian@temptwo by 33\relax
5010 \advance\XePersian@tempthree by -\XePersian@temptwo
5011 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T);
5012 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5013 \advance\XePersian@temp by -\XePersian@tempthree
5014 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5015 \XePersian@persiani=31
5016 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5017 \XePersian@persianii = 30\relax
5018 \ifXePersian@kabiseh
5019 \XePersian@persianiii = 30\relax
5020 \else
5021 \XePersian@persianiii = 29\relax
5022 \fi
5023 \XePersian@persianiv = 31\relax
5024 \XePersian@persianv = 31\relax
5025 \XePersian@persianvi = 31\relax
5026 \XePersian@persianvii = 31\relax
5027 \XePersian@persianviii= 31\relax
5028 \XePersian@persianix = 31\relax
5029 \XePersian@persianx = 30\relax
5030 \XePersian@persianxi = 30\relax
5031 \XePersian@persianxii = 30\relax
5032 \XePersian@persianxiii= 30\relax
5033 \XePersian@dn= 0\relax
5034 \XePersian@sn= 0\relax
5035 \XePersian@mminusone=\XePersian@m
5036 \advance\XePersian@mminusone by -1\relax
5037 \XePersian@i=0\relax
5038 \ifnum\XePersian@i < \XePersian@mminusone
5039 \loop
5040 \advance \XePersian@i by 1\relax
5041 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5042 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5043 \fi
5044 \advance \XePersian@dn by \XePersian@d
5045 \XePersian@i=1\relax
5046 \XePersian@sn = \XePersian@persiani
5047 \ifnum \XePersian@sn<\XePersian@dn
5048 \loop
5049 \advance \XePersian@i by 1\relax
5050 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname

```



```

5051 \ifnum \XePersian@sn<\XePersian@dn \repeat
5052 \fi
5053 \ifnum \XePersian@i < 4
5054   \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5055   \advance \XePersian@y by -622\relax
5056 \else
5057   \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5058   \advance \XePersian@y by -621\relax
5059 \fi
5060 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5061 \endcsname
5062 \ifnum\XePersian@i = 1
5063   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@per
5064 \else
5065   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5066 \fi
5067 \newcommand*{\persiantoday}{%
5068 \number\XePersian@d\space%
5069 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5070 }
5071 \let\persianyear\XePersian@y
5072 \let\persianmonth\XePersian@m
5073 \let\persianday\XePersian@d
5074 \def\XePersian@persian@month#1{\ifcase#1\or or\
5075 or\
5076 or\   or\
5077 or\
5078 or\   or\
5079 or\   or\
5080 or\   or\
5081 \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>	123
v13.5	General: Fixed the extra space after Persian decimal separator. . . .	152
v13.6	General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character.	93

