



The XePersian *Package*

Source documentation for [version 25.2.2](#)

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 use the issue tracker:

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

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/xepersian/xepersian/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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The XePersian *Package*

Persian for L^AT_EX 2_ε, using XeT_EX engine

Source documentation for [version 25.2.2](#)

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1 File algorithmic-xetex-xepersian.def

```

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

```

2 File algorithm-xetex-xepersian.def

```

4 \ProvidesFile{algorithm-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for algo
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}

```

3 File amsart-xetex-xepersian.def

```

8 \ProvidesFile{amsart-xetex-xepersian.def}[2017/02/04 v0.4 xepersian adaptations for amsart c
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

```

4 File amsbook-xetex-xepersian.def

```

14 \ProvidesFile{amsbook-xetex-xepersian.def}[2017/02/04 v0.5 xepersian adaptations for amsbook
15 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}

```



```

16 \renewcommand \thepart {\@tartibi\c@part}
17 \def\appendix{\par
18   \c@chapter\z@ \c@section\z@
19   \let\chaptername\appendixname
20   \def\thechapter{\@harfi\c@chapter}}
21
22

```

5 File appendix-xetex-xepersian.def

```

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

```

6 File article-xetex-xepersian.def

```

38 \ProvidesFile{article-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for standar
39 \renewcommand \thepart {\@tartibi\c@part}
40 \renewcommand\appendix{\par
41   \setcounter{section}{0}%
42   \setcounter{subsection}{0}%
43   \gdef\thesection{\@harfi\c@section}}

```

7 File artikel1-xetex-xepersian.def

```

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

```

8 File artikel2-xetex-xepersian.def

```

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

```

9 File artikel3-xetex-xepersian.def



```

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

```

10 File backref-xetex-xepersian.def

```

62 \ProvidesFile{backref-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for backref
63 \def\backrefpagesname{\if@RTL else\ pages\fi}
64 \def\BR@Latincitex[#1]#2{%
65   \BRorg@Latincitex[#{#1}]{#2}%
66   \ifBR@verbose
67     \PackageInfo{backref}{back Latin cite \string`#2\string'}%
68   \fi
69   \Hy@backout{#2}%
70 }
71 \AtBeginDocument{%
72   \@ifundefined{NAT@parse}{%
73     \global\let\BRorg@Latincitex\@Latincitex
74     \global\let\@Latincitex\BR@Latincitex
75   }{%
76     \@ifpackageloaded{hyperref}{%
77       \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
78     }%
79     \PackageInfo{backref}{** backref set up for natbib **}%
80   }%
81 }%

```

11 File beamer-xetex-xepersian.def

```

82 \ProvidesFile{beamer-xetex-xepersian.def}[2022/06/27 v0.2 xepersian adaptations for beamer c
83 \usefonttheme[stillsansserifmath]{serif}
84
85 \renewcommand*\{bidi@beamer@today}{%
86 \the\persianyear-\ifnum\persianmonth<10\relax0\fi\the\persianmonth-\ifnum\persianday<10\relax
87
88

```

12 File beamerbasetranslator-xetex-xepersian.def

```

89 \ProvidesFile{beamerbasetranslator-xetex-xepersian.def}[2022/06/27 v0.3 xepersian adaptations
90 \newcommand*\{ProvidePersianTranslation}[2]{%
91   \providetranslation{#1}{\ifRtoL{#2}{#1}}%
92 }
93
94 \ProvidePersianTranslation{Corollary}{ }
95 \ProvidePersianTranslation{Definition}{ }
96 \ProvidePersianTranslation{Definitions}{ }
97 \ProvidePersianTranslation{Example}{ }
98 \ProvidePersianTranslation{Examples}{ }
99 \ProvidePersianTranslation{Fact}{ }
100 \ProvidePersianTranslation{From?}{ }

```



```

101 \ProvidePersianTranslation{Lemma}{ }
102 \ProvidePersianTranslation{Problem}{ }
103 \ProvidePersianTranslation{Section}{ }
104 \ProvidePersianTranslation{Solution}{ }
105 \ProvidePersianTranslation{Subsection}{ }
106 \ProvidePersianTranslation{Theorem}{ }
107 \ProvidePersianTranslation{When?}{ }
108 \ProvidePersianTranslation{Who?}{ }
109
110

```

13 File `bidituftesidenote-xetex-xepersian.def`

```

111 \ProvidesFile{bidituftesidenote-xetex-xepersian.def}[2017/02/04 v0.3 xepersian adaptations for bidituftesidenote]
112
113 \setLTRcitationfont{\resetlatinfont\footnotesize}
114
115 \renewcommand*{\@bidituftesidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
116
117 \renewcommand*{\@bidituftesidenote@RTLmarginfont}{\setpersianfont\footnotesize}
118
119

```

14 File `bidimoderncv-xetex-xepersian.def`

```

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

```

15 File `boek3-xetex-xepersian.def`

```

122 \ProvidesFile{boek3-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for boek3 class]
123 \renewcommand*\thepart{\@tartibi\c@part}
124 \renewcommand*\frontmatter{%
125   \cleardoublepage
126   \@mainmatterfalse
127   \pagenumbering{harfi}}
128 \renewcommand*\appendix{\par
129   \setcounter{chapter}{0}%
130   \setcounter{section}{0}%
131   \gdef\@chapapp{\appendixname}%
132   \gdef\thechapter{\@harfi\c@chapter}}

```

16 File `boek-xetex-xepersian.def`

```

133 \ProvidesFile{boek-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for boek class]
134 \renewcommand*\thepart{\@tartibi\c@part}
135 \renewcommand*\frontmatter{%
136   \cleardoublepage
137   \@mainmatterfalse
138   \pagenumbering{harfi}}
139 \renewcommand*\appendix{\par
140   \setcounter{chapter}{0}%
141   \setcounter{section}{0}%
142   \gdef\@chapapp{\appendixname}%

```



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

17 File bookest-xetex-xepersian.def

```
144 \ProvidesFile{bookest-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for bookest
145 \renewcommand \thepart {\@tartibi\c@part}
146 \renewcommand\appendix{\par
147 \setcounter{chapter}{0}%
148 \setcounter{section}{0}%
149 \gdef\@chapapp{\appendixname}%
150 \gdef\thechapter{\@harfi\c@chapter}
151 }%end appendix
```

18 File book-xetex-xepersian.def

```
152 \ProvidesFile{book-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for book class
153 \renewcommand\frontmatter{%
154 \cleardoublepage
155 \@mainmatterfalse
156 \pagenumbering{harfi}}
157 \renewcommand \thepart {\@tartibi\c@part}
158 \renewcommand\appendix{\par
159 \setcounter{chapter}{0}%
160 \setcounter{section}{0}%
161 \gdef\@chapapp{\appendixname}%
162 \gdef\thechapter{\@harfi\c@chapter}
163 }%end appendix
```

19 File breqn-xetex-xepersian.def

```
164 \ProvidesFile{breqn-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for breqn pack
165 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
166 \everydisplay\expandafter{\the\everydisplay \display@setup}%
167 \if@noskipsec \leavevmode \fi
168 \if@inlabel \leavevmode \global\@inlabelfalse \fi
169 \if\eq@group\else\eq@prelim\fi
170 \setkeys{breqn}{#1}%
171 \the\eqstyle
172 \eq@setnumber
173 \begingroup
174 \eq@setup@a
175 \eq@startup
176 }
177 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
178 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
179 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
180 \global\let\GRP@label\@empty
181 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
182 \global\grp@linewidth\z@\global\grp@wdNum\z@
183 \global\let\grp@eqs@numbered\@False
184 \global\let\grp@aligned\@True
185 \global\let\grp@shiftnumber\@False
186 \eq@prelim
187 \setkeys{breqn}{#1}%
```



```

188 \if\grp@hasNumber \grp@setnumber \fi
189 }
190 \def@dseries[#1]{\if@RTL@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
191 \let\display@setup\dseries@display@setup
192 % Question: should this be the default for dseries???
193 \global\eq@wdCond\z@
194 \@dmath[layout={M},#1]%
195 \mathsurround\z@\@math \penalty\@Mi
196 \let\endmath\ends@math
197 \def\premath{%
198 \ifdim\lastskip<.3em \unskip
199 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
200 }%
201 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
202 \ignorespaces
203 }

```

20 File latex-localize-commands-xetex-xepersian.def

```

204 \ProvidesFile{latex-localize-commands-xetex-xepersian.def}[2014/02/05 v0.3 Persian localization]
205 \eqcommand{ }{@arstrut}
206 \eqcommand{ }{above}
207 \eqcommand{ }{abovedisplayskip}
208 \eqcommand{ }{abovedisplayskip}
209 \eqcommand{ }{abstractname}
210 \eqcommand{ }{accent}
211 \eqcommand{ }{active}
212 \eqcommand{ }{addcontentsline}
213 \eqcommand{ }{addpenalty}
214 \eqcommand{ }{address}
215 \eqcommand{ }{addtocontents}
216 \eqcommand{ }{addtocounter}
217 \eqcommand{ }{addtolength}
218 \eqcommand{ }{addvspace}
219 \eqcommand{ }{adjdemerits}
220 \eqcommand{ }{advance}
221 \eqcommand{ }{afterassignment}
222 \eqcommand{ }{aftergroup}
223 \eqcommand{ }{aleph}
224 \eqcommand{ }{aliasfontfeature}
225 \eqcommand{ }{aliasfontfeatureoption}
226 \eqcommand{ }{allowbreak}
227 \eqcommand{ @}{alloc@}
228 \eqcommand{ }{allocationnumber}
229 \eqcommand{ }{allowdisplaybreaks}
230 \eqcommand{ }{Alpha}
231 \eqcommand{ }{alpha}
232 \eqcommand{ }{alsiname}
233 \eqcommand{ }{and}
234 \eqcommand{ }{angle}
235 \eqcommand{ }{appendixname}
236 \eqcommand{ }{approx}
237 \eqcommand{ }{arabic}
238 \eqcommand{ }{arg}

```




```

239 \eqcommand{   }{arrayrulecolor}
240 \eqcommand{   }{arraycolsep}
241 \eqcommand{   }{arrayrulewidth}
242 \eqcommand{   }{arraystretch}
243 \eqcommand{   }{AtBeginDocument}
244 \eqcommand{   }{AtEndDocument}
245 \eqcommand{   }{AtEndOfClass}
246 \eqcommand{   }{AtEndOfPackage}
247 \eqcommand{   }{author}
248 \eqcommand{   }{backmatter}
249 \eqcommand{   }{backslash}
250 \eqcommand{   }{badness}
251 \eqcommand{   }{bar}
252 \eqcommand{   }{baselineskip}
253 \eqcommand{   }{baselinestretch}
254 \eqcommand{   }{batchmode}
255 \eqcommand{   }{begin}
256 \eqcommand{   }{beginL}
257 \eqcommand{   }{beginR}
258 \eqcommand{   }{begingroup}
259 \eqcommand{   }{belowdisplayshortskip}
260 \eqcommand{   }{belowdisplayskip}
261 \eqcommand{   }{bf}
262 \eqcommand{   }{bfdefault}
263 \eqcommand{   }{bfseries}
264 \eqcommand{   }{bgroup}
265 \eqcommand{   }{bibitem}
266 \eqcommand{   }{bibliography}
267 \eqcommand{   }{bibliographystyle}
268 \eqcommand{   }{bibname}
269 \eqcommand{   }{bigskip}
270 \eqcommand{   }{bigskipamount}
271 \eqcommand{   }{botfigrule}
272 \eqcommand{   }{botmark}
273 \eqcommand{   }{bottompageskip}
274 \eqcommand{   }{bottomfraction}
275 \eqcommand{   }{box}
276 \eqcommand{   }{boxmaxdepth}
277 \eqcommand{   }{break}
278 \eqcommand{   }{bullet}
279 \eqcommand{ @ }{@cclv}
280 \eqcommand{ @ }{@cclvi}
281 \eqcommand{   }{caption}
282 \eqcommand{   }{catcode}
283 \eqcommand{   }{cc}
284 \eqcommand{   }{ccname}
285 \eqcommand{   }{cdot}
286 \eqcommand{   }{cdots}
287 \eqcommand{   }{centering}
288 \eqcommand{   }{centerline}
289 \eqcommand{ @ }{ch@ck}
290 \eqcommand{   }{chapter}
291 \eqcommand{   }{chaptername}
292 \eqcommand{   }{char}

```



```

293 \eqcommand{      }{chardef}
294 \eqcommand{      }{CheckCommand}
295 \eqcommand{ }{cite}
296 \eqcommand{      }{ClassError}
297 \eqcommand{      }{ClassInfo}
298 \eqcommand{      }{ClassWarning}
299 \eqcommand{      }{ClassWarningNoLine}
300 \eqcommand{      }{cleaders}
301 \eqcommand{      }{cleardoublepage}
302 \eqcommand{      }{clearpage}
303 \eqcommand{      }{cline}
304 \eqcommand{      }{closein}
305 \eqcommand{      }{closeout}
306 \eqcommand{ }{closing}
307 \eqcommand{      }{clubpenalty}
308 \eqcommand{ }{clubsuit}
309 \eqcommand{      }{colbotmark}
310 \eqcommand{      }{colfirstmark}
311 \eqcommand{ }{color}
312 \eqcommand{      }{colorbox}
313 \eqcommand{      }{coltopmark}
314 \eqcommand{      }{columncolor}
315 \eqcommand{      }{columnsep}
316 \eqcommand{      }{columnwidth}
317 \eqcommand{      }{columnseprule}
318 \eqcommand{      }{contentsline}
319 \eqcommand{      }{contentsname}
320 \eqcommand{ }{copy}
321 \eqcommand{      }{copyright}
322 \eqcommand{      }{count}
323 \eqcommand{      }{@}{count@}
324 \eqcommand{      }{countdef}
325 \eqcommand{ }{cr}
326 \eqcommand{      }{crr}
327 \eqcommand{      }{csname}
328 \eqcommand{      }{CurrentOption}
329 \eqcommand{      }{dashbox}
330 \eqcommand{      }{dashv}
331 \eqcommand{@}{@}{date}
332 \eqcommand{      }{date}
333 \eqcommand{ }{day}
334 \eqcommand{      }{dblbotfigrule}
335 \eqcommand{      }{dblbottomfraction}
336 \eqcommand{      }{dblfigrule}
337 \eqcommand{      }{dblfloatpagefraction}
338 \eqcommand{      }{dblfloatsep}
339 \eqcommand{      }{dblfntlocatocode}
340 \eqcommand{      }{dbltextfloatsep}
341 \eqcommand{      }{dbltopfraction}
342 \eqcommand{      }{DeclareFixedFont}
343 \eqcommand{      }{DeclareGraphicsExtensions}
344 \eqcommand{      }{DeclareGraphicsRule}
345 \eqcommand{      }{DeclareOldFontCommand}
346 \eqcommand{      }{DeclareOption}

```



```

347 \eqcommand{      }{DeclareRobustCommand}
348 \eqcommand{      }{DeclareSymbolFont}
349 \eqcommand{      }{deadcycles}
350 \eqcommand{ }{def}
351 \eqcommand{ @  }{define@key}
352 \eqcommand{      }{definecolor}
353 \eqcommand{      }{deg}
354 \eqcommand{      }{delcode}
355 \eqcommand{      }{delimiter}
356 \eqcommand{      }{delimiterfactor}
357 \eqcommand{      }{depth}
358 \eqcommand{      }{diamondsuit}
359 \eqcommand{      }{dim}
360 \eqcommand{      }{dimen}
361 \eqcommand{ @} {dimen@}
362 \eqcommand{ @ }{dimen@i}
363 \eqcommand{ @ }{dimen@ii}
364 \eqcommand{      }{dimendef}
365 \eqcommand{      }{discretionary}
366 \eqcommand{      }{displaybreak}
367 \eqcommand{      }{displayindent}
368 \eqcommand{      }{displaystyle}
369 \eqcommand{      }{displaywidth}
370 \eqcommand{      }{divide}
371 \eqcommand{      }{documentclass}
372 \eqcommand{ }{do}
373 \eqcommand{      }{dospecials}
374 \eqcommand{      }{dot}
375 \eqcommand{      }{doteq}
376 \eqcommand{      }{dotfill}
377 \eqcommand{      }{dots}
378 \eqcommand{      }{doublebox}
379 \eqcommand{      }{doublerulesepcolor}
380 \eqcommand{      }{doublerulesep}
381 \eqcommand{      }{downarrow}
382 \eqcommand{ }{dp}
383 \eqcommand{      }{dump}
384 \eqcommand{ }{edef}
385 \eqcommand{      }{egroup}
386 \eqcommand{      }{eject}
387 \eqcommand{      }{else}
388 \eqcommand{      }{em}
389 \eqcommand{      }{emergencystretch}
390 \eqcommand{      }{emph}
391 \eqcommand{@ }{@empty}
392 \eqcommand{ }{empty}
393 \eqcommand{      }{emptyset}
394 \eqcommand{      }{end}
395 \eqcommand{      }{endL}
396 \eqcommand{      }{endR}
397 \eqcommand{      }{endcsname}
398 \eqcommand{      }{endfirsthead}
399 \eqcommand{      }{endfoot}
400 \eqcommand{      }{endgraf}

```



```

401 \eqcommand{ }{endgroup}
402 \eqcommand{ }{endhead}
403 \eqcommand{ }{endinput}
404 \eqcommand{ }{endlastfoot}
405 \eqcommand{ }{enlargethispage}
406 \eqcommand{ }{endline}
407 \eqcommand{ }{endlinechar}
408 \eqcommand{ }{enspace}
409 \eqcommand{ }{enskip}
410 \eqcommand{ }{eqcommand}
411 \eqcommand{ }{eqenvironment}
412 \eqcommand{ }{eqref}
413 \eqcommand{ }{errhelp}
414 \eqcommand{ }{errmessage}
415 \eqcommand{ }{errorcontextlines}
416 \eqcommand{ }{errorstopmode}
417 \eqcommand{ }{escapechar}
418 \eqcommand{ }{euro}
419 \eqcommand{ }{evensidemargin}
420 \eqcommand{ }{everycr}
421 \eqcommand{ }{everydisplay}
422 \eqcommand{ }{everyhbox}
423 \eqcommand{ }{everyjob}
424 \eqcommand{ }{everymath}
425 \eqcommand{ }{everypar}
426 \eqcommand{ }{everyvbox}
427 \eqcommand{ }{ExecuteOptions}
428 \eqcommand{ }{exhyphenpenalty}
429 \eqcommand{ }{expandafter}
430 \eqcommand{ }{extracolsep}
431 \eqcommand{@ }{@firstofone}
432 \eqcommand{@ }{@firstoftwo}
433 \eqcommand{ @ }{@ur}
434 \eqcommand{ }{fam}
435 \eqcommand{ }{fancy page}
436 \eqcommand{ }{fbox}
437 \eqcommand{ }{fboxrule}
438 \eqcommand{ }{fboxsep}
439 \eqcommand{ }{fcolorbox}
440 \eqcommand{ }{fi}
441 \eqcommand{ }{figurename}
442 \eqcommand{ }{filbreak}
443 \eqcommand{ }{fill}
444 \eqcommand{ }{firstmark}
445 \eqcommand{ }{flat}
446 \eqcommand{ }{floatpagefraction}
447 \eqcommand{ }{floatingpenalty}
448 \eqcommand{ }{floatsep}
449 \eqcommand{ }{flushbottom}
450 \eqcommand{ }{fmtname}
451 \eqcommand{ }{fmtversion}
452 \eqcommand{ }{fnsymbol}
453 \eqcommand{ }{font}
454 \eqcommand{ }{fontdimen}

```



```

455 \eqcommand{   }{fontencoding}
456 \eqcommand{   }{fontfamily}
457 \eqcommand{   }{fontname}
458 \eqcommand{   }{fontseries}
459 \eqcommand{   }{fontshape}
460 \eqcommand{   }{fontsize}
461 \eqcommand{   }{footheight}
462 \eqcommand{   }{footins}
463 \eqcommand{   }{footnote}
464 \eqcommand{   }{footnotemark}
465 \eqcommand{   }{footnoterule}
466 \eqcommand{   }{footnotesep}
467 \eqcommand{   }{footnotesize}
468 \eqcommand{   }{footnotetext}
469 \eqcommand{   }{footskip}
470 \eqcommand{ }{frame}
471 \eqcommand{   }{framebox}
472 \eqcommand{   }{frenchspacing}
473 \eqcommand{   }{frontmatter}
474 \eqcommand{   }{futurelet}
475 \eqcommand{@   }{@gobble}
476 \eqcommand{@   }{@gobbletwo}
477 \eqcommand{@   }{@gobblefour}
478 \eqcommand{@   }{@gtempa}
479 \eqcommand{@   }{@gtempb}
480 \eqcommand{ }{gdef}
481 \eqcommand{   }{GenericInfo}
482 \eqcommand{   }{GenericWarning}
483 \eqcommand{   }{GenericError}
484 \eqcommand{ }{global}
485 \eqcommand{   }{globaldefs}
486 \eqcommand{   }{glossary}
487 \eqcommand{   }{glossaryentry}
488 \eqcommand{   }{goodbreak}
489 \eqcommand{   }{graphpaper}
490 \eqcommand{   }{guillemotleft}
491 \eqcommand{   }{guillemotright}
492 \eqcommand{   }{guilsinglleft}
493 \eqcommand{   }{guilsinglright}
494 \eqcommand{ }{halign}
495 \eqcommand{ }{hang}
496 \eqcommand{   }{hangafter}
497 \eqcommand{   }{hangindent}
498 \eqcommand{   }{hbadness}
499 \eqcommand{ }{hbox}
500 \eqcommand{   }{headheight}
501 \eqcommand{   }{headsep}
502 \eqcommand{   }{headtoname}
503 \eqcommand{ }{heartsuit}
504 \eqcommand{   }{height}
505 \eqcommand{ }{hfil}
506 \eqcommand{   }{hfill}
507 \eqcommand{   }{hfilneg}
508 \eqcommand{   }{hfuzz}

```



```

509 \eqcommand{    }{hideskip}
510 \eqcommand{    }{hidewidth}
511 \bidi@csletcs{ }{hline}% this is an exception
512 \eqcommand{    }{hoffset}
513 \eqcommand{    }{holdinginserts}
514 \eqcommand{    }{hrboxsep}
515 \eqcommand{ }{hrule}
516 \eqcommand{    }{hrulefill}
517 \eqcommand{    }{hsize}
518 \eqcommand{    }{hskip}
519 \eqcommand{    }{hspace}
520 \eqcommand{    }{hss}
521 \eqcommand{    }{ht}
522 \eqcommand{ }{huge}
523 \eqcommand{    }{Huge}
524 \eqcommand{    }{hyperlink}
525 \eqcommand{    }{hypersetup}
526 \eqcommand{    }{hypertarget}
527 \eqcommand{    }{hyphenation}
528 \eqcommand{    }{hyphenchar}
529 \eqcommand{    }{hyphenpenalty}
530 \eqcommand{@    }{@ifclassloaded}
531 \eqcommand{@    }{@ifdefinable}
532 \eqcommand{@    }{@ifnextchar}
533 \eqcommand{@    }{@ifpackageloaded}
534 \eqcommand{@    }{@ifstar}
535 \eqcommand{@    }{@ifundefined}
536 \eqcommand{ }{if}
537 \eqcommand{ @ }{if@tempwa}
538 \eqcommand{    }{ifcase}
539 \eqcommand{    }{ifcat}
540 \eqcommand{    }{ifdefined}
541 \eqcommand{    }{ifdim}
542 \eqcommand{    }{ifeof}
543 \eqcommand{ }{iff}
544 \eqcommand{    }{iffalse}
545 \eqcommand{    }{IfFileExists}
546 \eqcommand{    }{ifhbox}
547 \eqcommand{    }{ifhmode}
548 \eqcommand{    }{ifinner}
549 \eqcommand{    }{ifmmode}
550 \eqcommand{    }{ifnum}
551 \eqcommand{    }{ifodd}
552 \eqcommand{    }{ifthenelse}
553 \eqcommand{    }{iftrue}
554 \eqcommand{    }{ifvbox}
555 \eqcommand{    }{ifvmode}
556 \eqcommand{    }{ifvoid}
557 \eqcommand{    }{ifx}
558 \eqcommand{    }{ignorespaces}
559 \eqcommand{ }{immediate}
560 \eqcommand{ }{include}
561 \eqcommand{    }{includegraphics}
562 \eqcommand{    }{includeonly}

```



```

563 \eqcommand{   }{indent}
564 \eqcommand{   }{index}
565 \eqcommand{   }{indexentry}
566 \eqcommand{   }{indexname}
567 \eqcommand{   }{indexspace}
568 \eqcommand{   }{input}
569 \eqcommand{   }{InputIfFileExists}
570 \eqcommand{   }{inputlineno}
571 \eqcommand{ }{insert}
572 \eqcommand{   }{insertpenalties}
573 \eqcommand{   }{interfootnotelinepenalty}
574 \eqcommand{   }{interdisplaylinepenalty}
575 \eqcommand{   }{interlinepenalty}
576 \eqcommand{   }{intertext}
577 \eqcommand{   }{intertextsep}
578 \eqcommand{ }{invisible}
579 \eqcommand{   }{itdefault}
580 \eqcommand{   }{itshape}
581 \eqcommand{ }{item}
582 \eqcommand{   }{itemindent}
583 \eqcommand{   }{itemsep}
584 \eqcommand{   }{iterate}
585 \eqcommand{   }{itshape}
586 \eqcommand{   }{jobname}
587 \eqcommand{ }{jot}
588 \eqcommand{ }{kern}
589 \eqcommand{ }{kill}
590 \eqcommand{ }{label}
591 \eqcommand{   }{labelenumi}
592 \eqcommand{   }{labelenumii}
593 \eqcommand{   }{labelenumiii}
594 \eqcommand{   }{labelenumiv}
595 \eqcommand{   }{labelitemi}
596 \eqcommand{   }{labelitemii}
597 \eqcommand{   }{labelitemiii}
598 \eqcommand{   }{labelitemiv}
599 \eqcommand{   }{labelsep}
600 \eqcommand{   }{labelwidth}
601 \eqcommand{ }{language}
602 \eqcommand{ }{large}
603 \eqcommand{   }{Large}
604 \eqcommand{   }{LARGE}
605 \eqcommand{   }{lastbox}
606 \eqcommand{   }{lastkern}
607 \eqcommand{   }{lastpenalty}
608 \eqcommand{   }{lastskip}
609 \eqcommand{ }{LaTeX}
610 \eqcommand{   }{LaTeXe}
611 \eqcommand{   }{lccode}
612 \eqcommand{   }{ldots}
613 \eqcommand{   }{leaders}
614 \eqcommand{ }{leavevmode}
615 \eqcommand{ }{left}
616 \eqcommand{   }{leftmargin}

```



```

617 \eqcommand{ }{leftmargini}
618 \eqcommand{ }{leftmarginii}
619 \eqcommand{ }{leftmarginiii}
620 \eqcommand{ }{leftmarginiv}
621 \eqcommand{ }{leftmarginv}
622 \eqcommand{ }{leftmarginvi}
623 \eqcommand{ }{leftmark}
624 \eqcommand{ }{leftpageskip}
625 \eqcommand{ }{leftskip}
626 \eqcommand{ }{let}
627 \eqcommand{ }{line}
628 \eqcommand{ }{linebreak}
629 \eqcommand{ }{linepenalty}
630 \eqcommand{ }{lineskip}
631 \eqcommand{ }{lineskiplimit}
632 \eqcommand{ }{linespread}
633 \eqcommand{ }{linethickness}
634 \eqcommand{ }{linewidth}
635 \eqcommand{ }{listfigurename}
636 \eqcommand{ }{listfiles}
637 \eqcommand{ }{listoffigures}
638 \eqcommand{ }{listoftables}
639 \eqcommand{ }{listparindent}
640 \eqcommand{ }{listtablename}
641 \eqcommand{ }{LoadClass}
642 \eqcommand{ }{LoadClassWithOptions}
643 \eqcommand{ }{location}
644 \eqcommand{ }{long}
645 \eqcommand{ }{looseness}
646 \eqcommand{ }{lower}
647 \eqcommand{@ }{@makeother}
648 \eqcommand{@ }{@m}
649 \eqcommand{ @ }{@M}
650 \eqcommand{ @ }{@Mi}
651 \eqcommand{ @ }{@Mii}
652 \eqcommand{ @ }{@Miii}
653 \eqcommand{ @ }{@Miv}
654 \eqcommand{ @ }{@MM}
655 \eqcommand{ @ }{@m@ne}
656 \eqcommand{ }{mag}
657 \eqcommand{ }{magstep}
658 \eqcommand{ }{magstephalf}
659 \eqcommand{ }{mainmatter}
660 \eqcommand{ }{makeatletter}
661 \eqcommand{ }{makeatother}
662 \eqcommand{ }{makebox}
663 \eqcommand{ }{makeglossary}
664 \eqcommand{ }{makeindex}
665 \eqcommand{ }{makelabel}
666 \eqcommand{ }{makelabels}
667 \eqcommand{ }{MakeLowercase}
668 \eqcommand{ }{maketitle}
669 \eqcommand{ }{MakeUppercase}
670 \eqcommand{ }{marginpar}

```




```

671 \eqcommand{      }{\marginparpush}
672 \eqcommand{      }{\marginparsep}
673 \eqcommand{      }{\marginparwidth}
674 \eqcommand{ }{\mark}
675 \eqcommand{      }{\markboth}
676 \eqcommand{      }{\markright}
677 \eqcommand{      }{\mathaccent}
678 \eqcommand{      }{\mathchar}
679 \eqcommand{      }{\mathchardef}
680 \eqcommand{      }{\mathcode}
681 \eqcommand{      }{\mathrm}
682 \eqcommand{      }{\maxdeadcycles}
683 \eqcommand{      }{\maxdepth}
684 \eqcommand{      }{\maxdimen}
685 \eqcommand{ }{\mbox}
686 \eqcommand{      }{\mdseries}
687 \eqcommand{ }{\meaning}
688 \eqcommand{ }{\mediumseries}
689 \eqcommand{      }{\medmuskip}
690 \eqcommand{      }{\medskip}
691 \eqcommand{      }{\medskipamount}
692 \eqcommand{      }{\medspace}
693 \eqcommand{ }{\message}
694 \eqcommand{      }{\MessageBreak}
695 \eqcommand{      }{\minrowclearance}
696 \eqcommand{      }{\mkern}
697 \eqcommand{ }{\month}
698 \eqcommand{      }{\moveleft}
699 \eqcommand{      }{\moveright}
700 \eqcommand{      }{\mskip}
701 \eqcommand{ @ }{\m@th}
702 \eqcommand{      }{\multicolumn}
703 \eqcommand{ }{\multiply}
704 \eqcommand{      }{\multispan}
705 \eqcommand{      }{\muskip}
706 \eqcommand{      }{\muskipdef}
707 \eqcommand{@ }{\@namedef}
708 \eqcommand{@ }{\@nameuse}
709 \eqcommand{ @ }{\@ne}
710 \eqcommand{ }{\name}
711 \eqcommand{      }{\natural}
712 \eqcommand{      }{\nearrow}
713 \eqcommand{      }{\nearrower}
714 \eqcommand{      }{\NeedsTeXFormat}
715 \eqcommand{ }{\neg}
716 \eqcommand{      }{\negmedspace}
717 \eqcommand{      }{\negthickspace}
718 \eqcommand{      }{\negthinspace}
719 \eqcommand{ }{\newboolean}
720 \eqcommand{      }{\newbox}
721 \eqcommand{      }{\newcommand}
722 \eqcommand{      }{\newcount}
723 \eqcommand{      }{\newcounter}
724 \eqcommand{      }{\newdimen}

```



```

725 \eqcommand{ }{newenvironment}
726 \eqcommand{ }{newfam}
727 \eqcommand{ }{newfont}
728 \eqcommand{ }{newhelp}
729 \eqcommand{ }{newinsert}
730 \eqcommand{ }{newlabel}
731 \eqcommand{ }{newlength}
732 \eqcommand{ }{newline}
733 \eqcommand{ }{newlinechar}
734 \eqcommand{ }{newmuskip}
735 \eqcommand{ }{newpage}
736 \eqcommand{ }{newread}
737 \eqcommand{ }{newsavebox}
738 \eqcommand{ }{newskip}
739 \eqcommand{ }{newtheorem}
740 \eqcommand{ }{newtoks}
741 \eqcommand{ }{newwrite}
742 \eqcommand{ }{noalign}
743 \eqcommand{ }{nobreak}
744 \eqcommand{ }{nobreakspace}
745 \eqcommand{ }{nocite}
746 \eqcommand{ }{noexpand}
747 \eqcommand{ }{nofiles}
748 \eqcommand{ }{noindent}
749 \eqcommand{ }{nointerlineskip}
750 \eqcommand{ }{nolimits}
751 \eqcommand{ }{nolinebreak}
752 \eqcommand{ }{nonstopmode}
753 \eqcommand{ }{nonfrenchspacing}
754 \eqcommand{ }{nonumber}
755 \eqcommand{ }{nopagebreak}
756 \eqcommand{ }{normalbaselines}
757 \eqcommand{ }{normalbaselineskip}
758 \eqcommand{ }{normalcolor}
759 \eqcommand{ }{normalfont}
760 \eqcommand{ }{normallineskip}
761 \eqcommand{ }{normallineskiplimit}
762 \eqcommand{ }{normalmarginpar}
763 \eqcommand{ }{normalsize}
764 \eqcommand{ }{notag}
765 \eqcommand{ }{null}
766 \eqcommand{ }{nullfont}
767 \eqcommand{ }{number}
768 \eqcommand{ }{numberline}
769 \eqcommand{ }{numberwithin}
770 \eqcommand{ }{@evenfoot}
771 \eqcommand{ }{@evenhead}
772 \eqcommand{ }{@oddfoot}
773 \eqcommand{ }{@oddhead}
774 \eqcommand{ }{@outeqtrue}
775 \eqcommand{ }{@outeqfalse}
776 \eqcommand{ }{obeylines}
777 \eqcommand{ }{obeyspaces}
778 \eqcommand{ }{oddsidemargin}

```



```

779 \eqcommand{ }{offinterlineskip}
780 \eqcommand{ }{omit}
781 \eqcommand{@ }{@onlypreamble}
782 \eqcommand{ }{onecolumn}
783 \eqcommand{ }{onlynotes}
784 \eqcommand{ }{onlyslides}
785 \eqcommand{ }{openin}
786 \eqcommand{ }{openout}
787 \eqcommand{ }{OptionNotUsed}
788 \eqcommand{ }{or}
789 \eqcommand{ }{outer}
790 \eqcommand{ }{output}
791 \eqcommand{ }{outputpenalty}
792 \eqcommand{ }{overfullrule}
793 \eqcommand{@ }{@preamblecmds}
794 \eqcommand{@ }{p@}
795 \eqcommand{ }{PackageError}
796 \eqcommand{ }{PackageInfo}
797 \eqcommand{ }{PackageWarning}
798 \eqcommand{ }{PackageWarningNoLine}
799 \eqcommand{ }{pagebreak}
800 \eqcommand{ }{pagecolor}
801 \eqcommand{ }{pagedepth}
802 \eqcommand{ }{pagefilllstretch}
803 \eqcommand{ }{pagefillstretch}
804 \eqcommand{ }{pagefilstretch}
805 \eqcommand{ }{pagegoal}
806 \eqcommand{ }{pagename}
807 \eqcommand{ }{pagenumbering}
808 \eqcommand{ }{pageref}
809 \eqcommand{ }{pagerulewidth}
810 \eqcommand{ }{pageshrink}
811 \eqcommand{ }{pagestretch}
812 \eqcommand{ }{pagestyle}
813 \eqcommand{ }{pagetotal}
814 \eqcommand{ }{paperheight}
815 \eqcommand{ }{paperwidth}
816 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
817 \eqcommand{ }{paragraph}
818 \eqcommand{ }{parallel}
819 \eqcommand{ }{parbox}
820 \eqcommand{ }{parfillskip}
821 \eqcommand{ }{parindent}
822 \eqcommand{ }{parsep}
823 \eqcommand{ }{parshape}
824 \eqcommand{ }{parskip}
825 \eqcommand{ }{part}
826 \eqcommand{ }{partname}
827 \eqcommand{ }{partopsep}
828 \eqcommand{ }{PassOptionToClass}
829 \eqcommand{ }{PassOptionToPackage}
830 \eqcommand{ }{path}
831 \eqcommand{ }{patterns}
832 \eqcommand{ }{pausing}

```



```

833 \eqcommand{ }{penalty}
834 \eqcommand{ }{phantom}
835 \eqcommand{ }{poptabs}
836 \eqcommand{ }{postdisplaypenalty}
837 \eqcommand{ }{predisplaydirection}
838 \eqcommand{ }{predisplaypenalty}
839 \eqcommand{ }{preplaysize}
840 \eqcommand{ }{pretolerance}
841 \eqcommand{ }{prevdepth}
842 \eqcommand{ }{prevgraf}
843 \eqcommand{ }{printindex}
844 \eqcommand{ }{ProcessOptions}
845 \eqcommand{ }{protect}
846 \eqcommand{ }{providecommand}
847 \eqcommand{ }{ProvidesClass}
848 \eqcommand{ }{ProvidesFile}
849 \eqcommand{ }{ProvidesPackage}
850 \eqcommand{ }{pushtabs}
851 \eqcommand{ }{quad}
852 \eqcommand{ }{qqquad}
853 \eqcommand{@ }{@outputpagerestore}
854 \eqcommand{ }{radical}
855 \eqcommand{ }{raggedbottom}
856 \eqcommand{ }{raggedleft}
857 \eqcommand{ }{raggedright}
858 \eqcommand{ }{raise}
859 \eqcommand{ }{raisebox}
860 \eqcommand{ }{raisetag}
861 \eqcommand{ }{rangle}
862 \eqcommand{ }{rceil}
863 \eqcommand{ }{read}
864 \eqcommand{ }{ref}
865 \eqcommand{ }{reflectbox}
866 \eqcommand{ }{refname}
867 \eqcommand{ }{refstepcounter}
868 \eqcommand{ }{relax}
869 \eqcommand{ }{removelastskip}
870 \eqcommand{ }{renewcommand}
871 \eqcommand{ }{renewenvironment}
872 \eqcommand{ }{RequirePackage}
873 \eqcommand{ }{RequirePackageWithOptions}
874 \eqcommand{ }{resizebox}
875 \eqcommand{ }{reversemarginpar}
876 \eqcommand{ }{rfloor}
877 \eqcommand{ }{right}
878 \eqcommand{ }{rightmargin}
879 \eqcommand{ }{rightmark}
880 \eqcommand{ }{rightpageskip}
881 \eqcommand{ }{rightskip}
882 \eqcommand{ }{rmdefault}
883 \eqcommand{ }{rmfamily}
884 \eqcommand{ }{Roman}
885 \eqcommand{ }{roman}
886 \eqcommand{ }{romannumeral}

```



```

887 \eqcommand{   }{rotatebox}
888 \eqcommand{   }{rowcolor}
889 \eqcommand{ }{rule}
890 \eqcommand{@   }{@secondoftwo}
891 \eqcommand{@   }{@spaces}
892 \eqcommand{   }{samepage}
893 \eqcommand{   }{savebox}
894 \eqcommand{   }{sbox}
895 \eqcommand{   }{scalebox}
896 \eqcommand{   }{scdefault}
897 \eqcommand{   }{scshape}
898 \eqcommand{   }{setkeys}
899 \eqcommand{   }{scriptfont}
900 \eqcommand{   }{scriptscriptfont}
901 \eqcommand{   }{scriptscriptstyle}
902 \eqcommand{   }{scriptsize}
903 \eqcommand{   }{scripstyle}
904 \eqcommand{   }{scrollmode}
905 \eqcommand{ }{section}
906 \eqcommand{   }{secdef}
907 \eqcommand{   }{see}
908 \eqcommand{   }{seealso}
909 \eqcommand{   }{seename}
910 \eqcommand{   }{selectfont}
911 \eqcommand{   }{setboolean}
912 \eqcommand{   }{setbox}
913 \eqcommand{   }{setcounter}
914 \eqcommand{   }{setlength}
915 \eqcommand{   }{setminus}
916 \eqcommand{   }{SetSymbolFont}
917 \eqcommand{   }{settodepth}
918 \eqcommand{   }{settoheight}
919 \eqcommand{   }{settowidth}
920 \eqcommand{   }{sfcode}
921 \eqcommand{   }{sfdefault}
922 \eqcommand{   }{sffamily}
923 \eqcommand{   }{shadowbox}
924 \eqcommand{ }{sharp}
925 \eqcommand{   }{shipout}
926 \eqcommand{   }{shortstack}
927 \eqcommand{   }{show}
928 \eqcommand{   }{showbox}
929 \eqcommand{   }{showboxbreadth}
930 \eqcommand{   }{showboxdepth}
931 \eqcommand{   }{showlists}
932 \eqcommand{   }{showthe}
933 \eqcommand{   }{simplefontmode}
934 \eqcommand{ @ }{sirt@n}
935 \eqcommand{   }{skewchar}
936 \eqcommand{   }{skip}
937 \eqcommand{ @ }{skip@}
938 \eqcommand{   }{skipdef}
939 \eqcommand{   }{sl}
940 \eqcommand{   }{sldefault}

```



```

941 \eqcommand{ }{slshape}
942 \eqcommand{ }{sloppy}
943 \eqcommand{ }{slshape}
944 \eqcommand{ }{small}
945 \eqcommand{ }{smallskip}
946 \eqcommand{ }{smallskipamount}
947 \eqcommand{ }{smash}
948 \eqcommand{ }{smile}
949 \eqcommand{ }{snglftlocatcode}
950 \eqcommand{ }{space}
951 \eqcommand{ }{spacefactor}
952 \eqcommand{ }{spaceskip}
953 \eqcommand{ }{spadesuit}
954 \eqcommand{ }{span}
955 \eqcommand{ }{special}
956 \eqcommand{ }{splitmaxdepth}
957 \eqcommand{ }{splittopskip}
958 \eqcommand{ }{star}
959 \eqcommand{ }{stepcounter}
960 \eqcommand{ }{stretch}
961 \eqcommand{ }{string}
962 \eqcommand{ }{strut}
963 \eqcommand{ }{strutbox}
964 \eqcommand{ }{subitem}
965 \eqcommand{ }{subparagraph}
966 \eqcommand{ }{subsection}
967 \eqcommand{ }{substack}
968 \eqcommand{ }{subsubitem}
969 \eqcommand{ }{subsubsection}
970 \eqcommand{ }{subset}
971 \eqcommand{ }{subseteq}
972 \eqcommand{ }{supereject}
973 \eqcommand{ }{suppressfloats}
974 \eqcommand{@ }{@tempa}
975 \eqcommand{@ }{@tempb}
976 \eqcommand{@ }{@tempc}
977 \eqcommand{@ }{@tempd}
978 \eqcommand{@ }{@tempe}
979 \eqcommand{@ }{@tempboxa}
980 \eqcommand{@ }{@tempcnta}
981 \eqcommand{@ }{@tempcntb}
982 \eqcommand{@ }{@tempdima}
983 \eqcommand{@ }{@tempdimb}
984 \eqcommand{@ }{@tempdimc}
985 \eqcommand{@ }{@tempskipa}
986 \eqcommand{@ }{@tempskipb}
987 \eqcommand{@ }{@tempwafalse}
988 \eqcommand{@ }{@tempwatrue}
989 \eqcommand{@ }{@temptokena}
990 \eqcommand{ }{@thefnmark}
991 \eqcommand{@ }{@thirdofthree}
992 \eqcommand{ }{tabbingsep}
993 \eqcommand{ }{tabcolsep}
994 \eqcommand{ }{tableofcontents}

```



```

995 \eqcommand{ }{tablename}
996 \eqcommand{ }{tabskip}
997 \eqcommand{ }{tabularnewline}
998 \eqcommand{ }{tag}
999 \eqcommand{ }{telephone}
1000 \eqcommand{ }{TeX}
1001 \eqcommand{ }{text}
1002 \eqcommand{ }{textbullet}
1003 \eqcommand{ }{textfont}
1004 \eqcommand{ }{textendash}
1005 \eqcommand{ }{textendash}
1006 \eqcommand{ }{textexclamdown}
1007 \eqcommand{ }{textperiodcentered}
1008 \eqcommand{ }{textquestiondown}
1009 \eqcommand{ }{textquotedblleft}
1010 \eqcommand{ }{textquotedblright}
1011 \eqcommand{ }{textquoteleft}
1012 \eqcommand{ }{textquoteright}
1013 \eqcommand{ }{textvisiblespace}
1014 \eqcommand{ }{textbackslash}
1015 \eqcommand{ }{textbar}
1016 \eqcommand{ }{textgreater}
1017 \eqcommand{ }{textless}
1018 \eqcommand{ }{textbf}
1019 \eqcommand{ }{textcircled}
1020 \eqcommand{ }{textcolor}
1021 \eqcommand{ }{textcompwordmark}
1022 \eqcommand{ }{textfloatsep}
1023 \eqcommand{ }{textfraction}
1024 \eqcommand{ }{textheight}
1025 \eqcommand{ }{textindent}
1026 \eqcommand{ }{textit}
1027 \eqcommand{ }{textmd}
1028 \eqcommand{ }{textnormal}
1029 \eqcommand{ }{textregistered}
1030 \eqcommand{ }{textrm}
1031 \eqcommand{ }{textsc}
1032 \eqcommand{ }{textsf}
1033 \eqcommand{ }{textsl}
1034 \eqcommand{ }{textstyle}
1035 \eqcommand{ }{textsuperscript}
1036 \eqcommand{ }{texttrademark}
1037 \eqcommand{ }{texttt}
1038 \eqcommand{ }{textup}
1039 \eqcommand{ }{textwidth}
1040 \eqcommand{ }{thanks}
1041 \eqcommand{ }{the}
1042 \eqcommand{ }{thempfn}
1043 \eqcommand{ }{thicklines}
1044 \eqcommand{ }{thickmuskip}
1045 \eqcommand{ }{thinmuskip}
1046 \eqcommand{ }{thickspace}
1047 \eqcommand{ }{thinlines}
1048 \eqcommand{ }{thinspace}

```



```

1049 \eqcommand{      }{thisfancypage}
1050 \eqcommand{      }{thispagestyle}
1051 \eqcommand{ @}{thr@@}
1052 \eqcommand{ }{tilde}
1053 \eqcommand{ }{tiny}
1054 \eqcommand{ }{time}
1055 \eqcommand{ }{times}
1056 \eqcommand{ }{title}
1057 \eqcommand{ }{to}
1058 \eqcommand{ }{today}
1059 \eqcommand{ }{toks}
1060 \eqcommand{      }{toksdef}
1061 \eqcommand{      }{tolerance}
1062 \eqcommand{ }{top}
1063 \eqcommand{      }{topfigrule}
1064 \eqcommand{      }{topfraction}
1065 \eqcommand{      }{topmargin}
1066 \eqcommand{      }{topmark}
1067 \eqcommand{      }{toppageskip}
1068 \eqcommand{      }{topsep}
1069 \eqcommand{      }{topskip}
1070 \eqcommand{      }{totalheight}
1071 \eqcommand{      }{tracingall}
1072 \eqcommand{      }{tracingcommands}
1073 \eqcommand{      }{tracinglostchars}
1074 \eqcommand{      }{tracingmacros}
1075 \eqcommand{      }{tracingonline}
1076 \eqcommand{      }{tracingoutput}
1077 \eqcommand{      }{tracingpages}
1078 \eqcommand{      }{tracingparagraphs}
1079 \eqcommand{      }{tracingrestores}
1080 \eqcommand{      }{tracingstats}
1081 \eqcommand{ }{triangle}
1082 \eqcommand{      }{ttdefault}
1083 \eqcommand{      }{ttfamily}
1084 \eqcommand{ @}{tw@}
1085 \eqcommand{      }{twocolumn}
1086 \eqcommand{      }{typein}
1087 \eqcommand{      }{typeout}
1088 \eqcommand{      }{uccode}
1089 \eqcommand{      }{uchyph}
1090 \eqcommand{ }{underline}
1091 \eqcommand{      }{unhbox}
1092 \eqcommand{      }{unhcopy}
1093 \eqcommand{      }{unitlength}
1094 \eqcommand{      }{unkern}
1095 \eqcommand{      }{unpenalty}
1096 \eqcommand{      }{unskip}
1097 \eqcommand{      }{unvbox}
1098 \eqcommand{      }{unvcopy}
1099 \eqcommand{      }{updefault}
1100 \eqcommand{      }{upshape}
1101 \eqcommand{ }{usebox}
1102 \eqcommand{      }{usecounter}

```




```

1103 \eqcommand{      }{usefont}
1104 \eqcommand{      }{usepackage}
1105 \eqcommand{@     }{@vobeyspaces}
1106 \eqcommand{@     }{@void}
1107 \eqcommand{      }{vadjust}
1108 \eqcommand{      }{valign}
1109 \eqcommand{      }{value}
1110 \eqcommand{      }{vbadness}
1111 \eqcommand{      }{vbox}
1112 \eqcommand{      }{vcenter}
1113 \eqcommand{      }{verb}
1114 \eqcommand{      }{vfil}
1115 \eqcommand{      }{vfill}
1116 \eqcommand{      }{vfilneg}
1117 \eqcommand{      }{vfuzz}
1118 \eqcommand{      }{visible}
1119 \eqcommand{      }{vline}
1120 \eqcommand{      }{voffset}
1121 \eqcommand{@     }{voidb@x}
1122 \eqcommand{      }{vpageref}
1123 \eqcommand{      }{vrbboxsep}
1124 \eqcommand{      }{vref}
1125 \eqcommand{      }{vrule}
1126 \eqcommand{      }{vsize}
1127 \eqcommand{      }{vskip}
1128 \eqcommand{      }{vspace}
1129 \eqcommand{      }{vsplit}
1130 \eqcommand{      }{vss}
1131 \eqcommand{      }{vtop}
1132 \eqcommand{      }{wd}
1133 \eqcommand{      }{whiledo}
1134 \eqcommand{      }{widehat}
1135 \eqcommand{      }{widetilde}
1136 \eqcommand{      }{widowpenalty}
1137 \eqcommand{      }{width}
1138 \eqcommand{      }{wlog}
1139 \eqcommand{      }{write}
1140 \eqcommand{@     }{@xobeysp}
1141 \eqcommand{@     }{@xxxii}
1142 \eqcommand{      }{xdef}
1143 \eqcommand{      }{xleaders}
1144 \eqcommand{      }{xspaceskip}
1145 \eqcommand{      }{year}
1146 \eqcommand{@     }{z@}
1147 \eqcommand{@     }{z@skip}

```

21 File color-localize-xetex-xepersian.def

```

1148 color}          \-localize-xetex-xepersian.def}[2011/03/01 v0.1 localizing color package for Xe
1149 0}{rgb}{ }      \0,,0}
1150 1}{rgb}{ }      \1,,1}
1151 1}{rgb}{ }      \0,,0}
1152 0}{rgb}{ }      \1,,0}
1153 0}{rgb}{ }      \0,,1}

```



```

1154 1}{cmyk}{ } \0,,0,0}
1155 0}{cmyk}{ } \1,,0,0}
1156 0}{cmyk}{ } \0,,1,0}

```

22 File xepersian-localize-commands-xetex-xepersian.def

```

1157 \ProvidesFile{xepersian-localize-commands-xetex-xepersian.def}[2012/07/25 v0.2 Persian local
1158 \eqcommand{ }{autofooterule}
1159 \eqcommand{ }{AutoMathDigits}
1160 \eqcommand{ }{DefaultMathDigits}
1161 \eqcommand{ @ }{keyval@eq@alias@key}
1162 \eqcommand{ }{deflatinfont}
1163 \eqcommand{ }{defpersianfont}
1164 \eqcommand{ }{hboxL}
1165 \eqcommand{ }{hboxR}
1166 \eqcommand{ }{Latincite}
1167 \eqcommand{ }{latinfont}
1168 \eqcommand{ }{latintoday}
1169 \eqcommand{ }{leftfootnoterule}
1170 \eqcommand{ }{lr}
1171 \eqcommand{ }{LRE}
1172 \eqcommand{ }{LTRdblcol}
1173 \eqcommand{ }{LTRfootnote}
1174 \eqcommand{ }{LTRfootnotetext}
1175 \eqcommand{ }{LTRthanks}
1176 \eqcommand{ }{persianday}
1177 \eqcommand{ }{persianfont}
1178 \eqcommand{ }{PersianMathDigits}
1179 \eqcommand{ }{persianmonth}
1180 \eqcommand{ }{persianyear}
1181 \eqcommand{ }{plq}
1182 \eqcommand{ }{prq}
1183 \eqcommand{ }{rightfootnoterule}
1184 \eqcommand{ }{r1}
1185 \eqcommand{ }{RLE}
1186 \eqcommand{ }{RTLdblcol}
1187 \eqcommand{ }{RTLfootnote}
1188 \eqcommand{ }{RTLfootnotetext}
1189 \eqcommand{ }{RTLthanks}
1190 \eqcommand{@ }{@SepMark}
1191 \eqcommand{ }{SepMark}
1192 \eqcommand{ }{setdefaultbibitems}
1193 \eqcommand{ }{setdefaultmarginpar}
1194 \eqcommand{ }{setmathdigitfont}
1195 \eqcommand{ }{setfootnoteLR}
1196 \eqcommand{ }{setfootnoteRL}
1197 \eqcommand{ }{setlatintextfont}
1198 \eqcommand{ }{setLTR}
1199 \eqcommand{ }{setLTRbibitems}
1200 \eqcommand{ }{setLTRmarginpar}
1201 \eqcommand{ }{setRTL}
1202 \eqcommand{ }{setRTLbibitems}
1203 \eqcommand{ }{setRTLmarginpar}
1204 \eqcommand{ }{settextfont}

```




```

1250 \eqenvironment{ }{description}
1251 \eqenvironment{ }{displaymath}
1252 \EqEnvironment{ }{document}
1253 \eqenvironment{ }{enumerate}
1254 \eqenvironment{ }{figure}
1255 \eqenvironment{ *}{figure*}
1256 \eqenvironment{ }{filecontents}
1257 \eqenvironment{ *}{filecontents*}
1258 \eqenvironment{ }{flushleft}
1259 \eqenvironment{ }{flushright}
1260 \eqenvironment{ }{itemize}
1261 \eqenvironment{ }{letter}
1262 \eqenvironment{ }{list}
1263 \eqenvironment{ }{longtable}
1264 \eqenvironment{ }{lrbox}
1265 \eqenvironment{ }{math}
1266 \eqenvironment{ }{matrix}
1267 \eqenvironment{ }{minipage}
1268 \eqenvironment{ }{multline}
1269 \eqenvironment{ }{note}
1270 \eqenvironment{ }{overlay}
1271 \eqenvironment{ }{picture}
1272 \eqenvironment{ }{quotation}
1273 \eqenvironment{ }{quote}
1274 \eqenvironment{ }{slide}
1275 \eqenvironment{ }{sloppypar}
1276 \eqenvironment{ }{split}
1277 \eqenvironment{ }{subarray}
1278 \eqenvironment{ }{tabbing}
1279 \eqenvironment{ }{table}
1280 \eqenvironment{ *}{table*}
1281 \eqenvironment{ }{tabular}
1282 \eqenvironment{ *}{tabular*}
1283 \eqenvironment{ }{thebibliography}
1284 \eqenvironment{ }{theindex}
1285 \eqenvironment{ }{titlepage}
1286 \eqenvironment{ }{trivlist}
1287 \eqenvironment{ }{verse}

```

26 [File xepersian-localize-environments-xetex-xepersian.def](#)

```

1288 \ProvidesFile{xepersian-localize-environments-xetex-xepersian.def}[2010/07/25 v0.1 Persian 1
1289 \eqenvironment{ }{latin}
1290 \eqenvironment{ }{LTR}
1291 \eqenvironment{ }{LTRitems}
1292 \eqenvironment{ }{modernpoem}
1293 \eqenvironment{ *}{modernpoem*}
1294 \eqenvironment{ }{persian}
1295 \eqenvironment{ }{RTL}
1296 \eqenvironment{ }{RTLitems}
1297 \eqenvironment{ }{traditionalpoem}
1298 \eqenvironment{ *}{traditionalpoem*}

```



27 File extarticle-xetex-xepersian.def

```
1299 \ProvidesFile{extarticle-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extar
1300 \renewcommand\thepart      {\@tartibi\c@part}
1301 \renewcommand\appendix{\par
1302   \setcounter{section}{0}%
1303   \setcounter{subsection}{0}%
1304   \gdef\thesection{\@harfi\c@section}}
```

28 File extbook-xetex-xepersian.def

```
1305 \ProvidesFile{extbook-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extbook
1306 \renewcommand\frontmatter{%
1307   \cleardoublepage
1308   \@mainmatterfalse
1309   \pagenumbering{harfi}}
1310 \renewcommand \thepart {\@tartibi\c@part}
1311 \renewcommand\appendix{\par
1312   \setcounter{chapter}{0}%
1313   \setcounter{section}{0}%
1314   \gdef\@chapapp{\appendixname}%
1315   \gdef\thechapter{\@harfi\c@chapter}
1316 }%end appendix
```

29 File extrafootnotefeatures-xetex-bidi-xetex-xepersian.def

```
1317 \ProvidesFile{extrafootnotefeatures-xetex-bidi-xetex-xepersian.def}[2012/01/01 v0.2 xepersian
1318 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1319 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1320 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}
```

30 File extreport-xetex-xepersian.def

```
1321 \ProvidesFile{extreport-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extrep
1322 \renewcommand\thepart      {\@tartibi\c@part}
1323 \renewcommand\appendix{\par
1324   \setcounter{chapter}{0}%
1325   \setcounter{section}{0}%
1326   \gdef\@chapapp{\appendixname}%
1327   \gdef\thechapter{\@harfi\c@chapter}}
```

31 File fancyref-xetex-xepersian.def

```
1328 \ProvidesFile{fancyref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for fancyr
1329 \renewcommand*\Frefchapname{\chaptername}
1330 \renewcommand*\Frefenumname{%
1331   \if@RTL
1332 %
1333   \else
1334     Item%
1335   \fi
1336 }
1337 \renewcommand*\Frefeqname{%
1338   \if@RTL
```



```

1339 %
1340 \else
1341 Equation%
1342 \fi
1343 }
1344 \renewcommand*{\Freffigname}{\figurename}
1345 \renewcommand*{\Frefnname}{%
1346 \if@RTL
1347 %
1348 \else
1349 Footnote%
1350 \fi
1351 }
1352 \renewcommand*{\Frefonname}{%
1353 \if@RTL
1354 %
1355 \else
1356 On%
1357 \fi
1358 }
1359 \renewcommand*{\Frefpgname}{\pagename}
1360 \renewcommand*{\Frefsecname}{%
1361 \if@RTL
1362 %
1363 \else
1364 Section%
1365 \fi
1366 }
1367 \renewcommand*{\Frefseename}{%
1368 \if@RTL
1369 %
1370 \else
1371 See%
1372 \fi
1373 }
1374 \renewcommand*{\Freftabname}{\tablename}
1375 \renewcommand*{\Freffigshortname}{%
1376 \if@RTL
1377 \Freffigname
1378 \else
1379 Fig.%
1380 \fi
1381 }
1382 \renewcommand*{\Frefpgshortname}{%
1383 \if@RTL
1384 \Frefpgname
1385 \else
1386 P.%
1387 \fi
1388 }
1389 \renewcommand*{\Freftabshortname}{%
1390 \if@RTL
1391 \tablename
1392 \else

```



```

1393     Tab.%
1394     \fi
1395 }
1396 \renewcommand*{\frefchapname}{%
1397   \if@RTL
1398     \Frefchapname
1399   \else
1400     \MakeLowercase{\Frefchapname}%
1401 \fi
1402 }
1403 \renewcommand*{\frefenumname}{%
1404   \if@RTL
1405     \Frefenumname
1406   \else
1407     \MakeLowercase{\Frefenumname}%
1408 \fi
1409 }
1410 \renewcommand*{\frefeqname}{%
1411   \if@RTL
1412     \Frefeqname
1413   \else
1414     \MakeLowercase{\Frefeqname}%
1415 \fi
1416 }
1417 \renewcommand*{\freffigname}{%
1418   \if@RTL
1419     \Freffigname
1420   \else
1421     \MakeLowercase{\Freffigname}%
1422 \fi
1423 }
1424 \renewcommand*{\freffnname}{%
1425   \if@RTL
1426     \Freffnname
1427   \else
1428     \MakeLowercase{\Freffnname}%
1429 \fi
1430 }
1431 \renewcommand*{\frefonname}{%
1432   \if@RTL
1433     \Frefonname
1434   \else
1435     \MakeLowercase{\Frefonname}%
1436 \fi
1437 }
1438 \renewcommand*{\frefpgname}{%
1439   \if@RTL
1440     \Frefpgname
1441   \else
1442     \MakeLowercase{\Frefpgname}%
1443 \fi
1444 }
1445 \renewcommand*{\frefsecname}{%
1446   \if@RTL

```



```

1447     \Frefsecname
1448   \else
1449     \MakeLowercase{\Frefsecname}%
1450   \fi
1451 }
1452 \renewcommand*{\frefseenname}{%
1453   \if@RTL
1454     \Frefseenname
1455   \else
1456     \MakeLowercase{\Frefseenname}%
1457   \fi
1458 }
1459 \renewcommand*{\frefstabname}{%
1460   \if@RTL
1461     \Frefstabname
1462   \else
1463     \MakeLowercase{\Frefstabname}%
1464   \fi
1465 }
1466 \renewcommand*{\freffigshortname}{%
1467   \if@RTL
1468     \Freffigshortname
1469   \else
1470     \MakeLowercase{\Freffigshortname}%
1471   \fi
1472 }
1473 \renewcommand*{\frefpgshortname}{%
1474   \if@RTL
1475     \Frefpgshortname
1476   \else
1477     \MakeLowercase{\Frefpgshortname}%
1478   \fi
1479 }
1480 \renewcommand*{\frefstabshortname}{%
1481   \if@RTL
1482     \Frefstabshortname
1483   \else
1484     \MakeLowercase{\Frefstabshortname}%
1485   \fi
1486 }

```

32 File footnote-xetex-bidi-xetex-xepersian.def

```

1487 \ProvidesFile{footnote-xetex-bidi-xetex-xepersian.def}[2017/08/09 v0.6 xepersian adaptations
1488
1489 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi
1490
1491 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1492
1493 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1494

```

33 File framed-xetex-xepersian.def




```

1495 \ProvidesFile{framed-xetex-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed pa
1496 \renewenvironment{titled-frame}[1]{%
1497   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1498     \TitleBarFrame{\textbf{#1}}}%
1499   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1500     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1501   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1502     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@
1503   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1504     \TitleBarFrame{\textbf{#1}\ (\if@RTL else\   cont\fi)}}}%
1505   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1506 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1507 % could interfere with the width measurement.
1508 {\endMakeFramed}

```

34 File glossaries-xetex-xepersian.def

```

1509 \ProvidesFile{glossaries-xetex-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for gloss
1510 \glsaddprotectedpagefmt{@harfi}
1511 \glsaddprotectedpagefmt{@tartibi}
1512 \glsaddprotectedpagefmt{@adadi}

```

35 File hyperref-xetex-xepersian.def

```

1513 \ProvidesFile{hyperref-xetex-xepersian.def}[2022/10/30 v0.8 xepersian adaptations for hyperre
1514 \def\equationautorefname{\if@RTL else\   Equation\fi}%
1515 \def\footnoteautorefname{\if@RTL else\   footnote\fi}%
1516 \def\itemautorefname{\if@RTL else\   item\fi}%
1517 \def\figureautorefname{\if@RTL else\   Figure\fi}%
1518 \def\tableautorefname{\if@RTL else\   Table\fi}%
1519 \def\partautorefname{\if@RTL else\   Part\fi}%
1520 \def\appendixautorefname{\if@RTL else\   Appendix\fi}%
1521 \def\chapterautorefname{\if@RTL else\   chapter\fi}%
1522 \def\sectionautorefname{\if@RTL else\   section\fi}%
1523 \def\subsectionautorefname{\if@RTL else\   subsection\fi}%
1524 \def\subsubsectionautorefname{\if@RTL else\   subsubsection\fi}%
1525 \def\paragraphautorefname{\if@RTL else\   paragraph\fi}%
1526 \def\subparagraphautorefname{\if@RTL else\   subparagraph\fi}%
1527 \def\FancyVerbLineautorefname{\if@RTL else\   line\fi}%
1528 \def\theoremautorefname{\if@RTL else\   Theorem\fi}%
1529 \def\pageautorefname{\if@RTL else\   page\fi}%
1530 \ifHy@implicit
1531 \AtBeginDocument{%
1532   \let\HyOrg@appendix\appendix
1533   \def\appendix{%
1534     \ltx@ifundefined{chapter}%
1535       {\gdef\theHsection{\Alph{section}}}%
1536       {\gdef\theHchapter{\Alph{chapter}}}%
1537     \xdef\Hy@chapapp{\Hy@appendixstring}%
1538     \HyOrg@appendix
1539   }%
1540 }%
1541 \fi
1542 \pdfstringdefDisableCommands{%

```



```

1543 \let\lr\@firstofone
1544 \let\rl\@firstofone
1545 \def\XePersian{XePersian}%
1546 }
1547 \ltx@ifundefined{@resets@pp}{%
1548 }{%
1549 \let\HyOrg@resets@pp\@resets@pp
1550 \def\@resets@pp{%
1551 \ltx@ifundefined{chapter}{%
1552 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1553 }{%
1554 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1555 }%
1556 \xdef\Hy@chapapp{\Hy@appendixstring}%
1557 \HyOrg@resets@pp
1558 }%
1559 }

```

36 File `imsproc-xetex-xepersian.def`

```

1560 \ProvidesFile{imsproc-xetex-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc
1561
1562 \renewcommand \thepart {\@tartibi\c@part}
1563 \def\appendix{\par\c@section\z@ \c@subsection\z@
1564 \let\sectionname\appendixname
1565 \def\thesection{\@harfi\c@section}}
1566

```

37 File `kashida-xetex-xepersian.def`

```

1567 \ProvidesFile{kashida-xetex-xepersian.def}[2024/12/20 v1.0 implementation of Kashida for XeTeX
1568 \chardef\xepersian@zwj="200D % zero-width joiner
1569 \chardef\xepersian@kashidachar="0640 % kashida
1570
1571 \chardef\xepersian@dualjoiner=10 % dual-joiner class
1572 \chardef\xepersian@lam=11 % lam
1573 \chardef\xepersian@rightjoiner=12 % right-joiner
1574 \chardef\xepersian@alef=13 % alef
1575 \chardef\xepersian@vowel=4096 % vowel or other combining mark (to be ignored)
1576 \newif\if@Kashida@on
1577 \def\xepersian@kashida{%
1578 \if@Kashida@on
1579 \xepersian@zwj
1580 \nobreak
1581 \leaders\hrule height \XeTeXglyphbounds\tw@
1582 \the\XeTeXcharglyph\xepersian@kashidachar
1583 depth \XeTeXglyphbounds\ff@ur
1584 \the\XeTeXcharglyph\xepersian@kashidachar
1585 \hskip0pt plus 0.5em
1586 \xepersian@zwj
1587 \fi
1588 }
1589
1590 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%

```



```

1591 \expandafter\dosetclass\charlist,\end}
1592 \def\dosetclass#1,#2\end{%
1593 \def\test{#1}\def\charlist{#2}%
1594 \ifx\test\empty\let\next\finishsetclass
1595 \else \XeTeXcharclass "\test = \thecharclass
1596 \let\next\dosetclass \fi
1597 \expandafter\next\charlist,,\end}
1598 \def\finishsetclass#1,,\end{}
1599
1600 \setclass \xepersian@alef {0622,0623,0625,0627}
1601 \setclass \xepersian@rightjoiner {0624,0629,062F,0630,0631,0632,0648,0698}
1602 \setclass \xepersian@dualjoiner {0626,0628,062A,062B,062C,062D,062E}
1603 \setclass \xepersian@dualjoiner {0633,0634,0635,0636,0637,0638,0639,063A}
1604 \setclass \xepersian@dualjoiner {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1605 \setclass \xepersian@dualjoiner {067E,0686,06A9,06AF,06CC}
1606 \setclass \xepersian@lam {0644}
1607 \setclass \xepersian@vowel {064B,064C,064D,064E,064F,0650,0651,0652}
1608
1609 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@dualjoiner = {\xepersian@kashida}
1610 \XeTeXinterchartoks \xepersian@lam \xepersian@dualjoiner = {\xepersian@kashida}
1611 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@lam = {\xepersian@kashida}
1612 \XeTeXinterchartoks \xepersian@lam \xepersian@lam = {\xepersian@kashida}
1613 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@rightjoiner = {\xepersian@kashida}
1614 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@alef = {\xepersian@kashida}
1615 \XeTeXinterchartoks \xepersian@lam \xepersian@rightjoiner = {\xepersian@kashida}
1616 \XeTeXinterchartoks \xepersian@lam \xepersian@alef = {}
1617
1618 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1619 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1620
1621 \KashidaOn

```

38 File listings-xetex-xepersian.def

```

1622 \ProvidesFile{listings-xetex-xepersian.def}[2014/07/17 v0.3 xepersian adaptations for listings]
1623 \def\lstlistingname{\if@RTL else\ Listing\fi}
1624 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

39 File localize-xetex-xepersian.def

```

1625 \ProvidesFile{localize-xetex-xepersian.def}[2025/01/06 v0.2e Persian localization of LaTeX2e]
1626 \newcommand{\makezwnjletter}{\catcode`=11\relax}
1627 \makezwnjletter
1628 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1629 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1630 \if@bidi@csdef{verbatim@}{\let\verbatim@\xepersian@localize@verbatim@}{\csname#2\endcsname}}{\csname#2\endcsname}}
1631 \newcommand*{\EqEnvironment}[2]{%
1632 \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
1633 \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
1634 }
1635 \newcommand*\keyval@eq@alias@key[4][KV]{%
1636 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1637 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}%
1638 }

```



```

1639 \input{latex-localize-commands-xetex-xepersian.def}
1640 \input{xepersian-localize-commands-xetex-xepersian.def}
1641 \input{latex-localize-environments-xetex-xepersian.def}
1642 \input{xepersian-localize-environments-xetex-xepersian.def}
1643 \input{latex-localize-messages-xetex-xepersian.def}
1644 \input{latex-localize-misc-xetex-xepersian.def}
1645 \input{packages-localize-xetex-xepersian.def}
1646 \aliasfontfeature{ExternalLocation}{ }
1647 \aliasfontfeature{Path}{ }
1648 \aliasfontfeature{Renderer}{ }
1649 \aliasfontfeature{BoldFont}{ }
1650 \aliasfontfeature{Language}{ }
1651 \aliasfontfeature{Script}{ }
1652 \aliasfontfeature{UprightFont}{ }
1653 \aliasfontfeature{ItalicFont}{ }
1654 \aliasfontfeature{BoldItalicFont}{ }
1655 \aliasfontfeature{SlantedFont}{ }
1656 \aliasfontfeature{BoldSlantedFont}{ }
1657 \aliasfontfeature{SmallCapsFont}{ }
1658 \aliasfontfeature{UprightFeatures}{ }
1659 \aliasfontfeature{BoldFeatures}{ }
1660 \aliasfontfeature{ItalicFeatures}{ }
1661 \aliasfontfeature{BoldItalicFeatures}{ }
1662 \aliasfontfeature{SlantedFeatures}{ }
1663 \aliasfontfeature{BoldSlantedFeatures}{ }
1664 \aliasfontfeature{SmallCapsFeatures}{ }
1665 \aliasfontfeature{SizeFeatures}{ }
1666 \aliasfontfeature{Scale}{ }
1667 \aliasfontfeature{WordSpace}{ }
1668 \aliasfontfeature{PunctuationSpace}{ }
1669 \aliasfontfeature{FontAdjustment}{ }
1670 \aliasfontfeature{LetterSpace}{ }
1671 \aliasfontfeature{HyphenChar}{ }
1672 \aliasfontfeature{Color}{ }
1673 \aliasfontfeature{Opacity}{ }
1674 \aliasfontfeature{Mapping}{ }
1675 \aliasfontfeature{Weight}{ }
1676 \aliasfontfeature{Width}{ }
1677 \aliasfontfeature{OpticalSize}{ }
1678 \aliasfontfeature{FakeSlant}{ }
1679 \aliasfontfeature{FakeStretch}{ }
1680 \aliasfontfeature{FakeBold}{ }
1681 \aliasfontfeature{AutoFakeSlant}{ }
1682 \aliasfontfeature{AutoFakeBold}{ }
1683 \aliasfontfeature{Ligatures}{ }
1684 \aliasfontfeature{Alternate}{ }
1685 \aliasfontfeature{Variant}{ }
1686 \aliasfontfeature{Variant}{ }
1687 \aliasfontfeature{CharacterVariant}{ }
1688 \aliasfontfeature{Style}{ }
1689 \aliasfontfeature{Annotation}{ }
1690 \aliasfontfeature{RawFeature}{ }
1691 \aliasfontfeature{CharacterWidth}{ }
1692 \aliasfontfeature{Numbers}{ }

```



```

1693 \aliasfontfeature{Contextuals}{ }
1694 \aliasfontfeature{Diacritics}{ }
1695 \aliasfontfeature{Letters}{ }
1696 \aliasfontfeature{Kerning}{ }
1697 \aliasfontfeature{VerticalPosition}{ }
1698 \aliasfontfeature{Fractions}{ }
1699 \aliasfontfeatureoption{Language}{Default}{ }
1700 \aliasfontfeatureoption{Language}{Persian}{ }
1701 \aliasfontfeatureoption{Script}{Persian}{ }
1702 \aliasfontfeatureoption{Script}{Latin}{ }
1703 \aliasfontfeatureoption{Style}{MathScript}{ }
1704 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

40 File memoir-xetex-xepersian.def

```

1705 \ProvidesFile{memoir-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for memoir c
1706 \renewcommand{\@memfront}{%
1707   \@smemfront\pagenumbering{harfi}}
1708 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1709 \renewcommand*{\thebook}{\@tartibi\c@book}
1710 \renewcommand*{\thepart}{\@tartibi\c@part}
1711 \renewcommand{\appendix}{\par
1712   \setcounter{chapter}{0}%
1713   \setcounter{section}{0}%
1714   \gdef\@chapapp{\appendixname}%
1715   \gdef\thechapter{\@harfi\c@chapter}%
1716   \anappendixtrue}

```

41 File latex-localize-messages-xetex-xepersian.def

```

1717 latex} \-localize-messages-xetex-xepersian.def}[2011/03/01 v0.1 localizing LaTeX2e mes

```

42 File minitoc-xetex-xepersian.def

```

1718 \ProvidesFile{minitoc-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for minitoc
1719 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1720 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1721 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1722 \def\mtctitle{\if@RTL else\ Contents\fi}%
1723 \def\mlftitle{\if@RTL else\ Figures\fi}%
1724 \def\mltttitle{\if@RTL else\ Tables\fi}%
1725 \def\stctitle{\if@RTL else\ Contents\fi}%
1726 \def\slftitle{\if@RTL else\ Figures\fi}%
1727 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

43 File latex-localize-misc-xetex-xepersian.def

```

1728 \ProvidesFile{latex-localize-misc-xetex-xepersian.def}[2025/01/03 v0.3 miscellaneous Persian
1729 %}1# \ \
1730 \@ \ @ \ \
1731 \1# \
1732 \1# @\
1733 \1# @\
1734 {\@ \ \

```



```

1735 %}2#1# @\ \
1736 %1# \ @\ \ \ \ \
1737 \2# \ @\ \
1738 {{2#1# \}}
1739 undefined\ \ \
1740
1741 %{ \ \ \ \1#} \ \} \1# \ \
1742 \ \ { \ \ \ \
1743 \ \ \
1744
1745
1746 \ \ \ \%} \#1
1747 \1#} \ \ \% \
1748 \ \ \ \ \
1749 }%
1750 \
1751 \ \ \
1752 }
1753 \= \ \
1754
1755
1756 \ApplyPatchCodeToFile{latex-xetex-bidi}{%
1757 \def\xfloat #1[#2]{%
1758 \nodocument
1759 \def \capttype {#1}%
1760 \def \@fps {#2}%
1761 \@onelevel@sanitize \@fps
1762 \def \reserved@b {!}%
1763 \ifx \reserved@b \@fps
1764 \@fpsadddefault
1765 \else
1766 \ifx \@fps \@empty
1767 \@fpsadddefault
1768 \fi
1769 \fi
1770 \ifhmode
1771 \@bsphack
1772 \@floatpenalty -\@Mii
1773 \else
1774 \@floatpenalty-\@Miii
1775 \fi
1776 \ifinner
1777 \@parmoderr\@floatpenalty\z@
1778 \else
1779 \@next\@currbox\@freelist
1780 {%
1781 \@tempcnta \sixt@@n
1782 \expandafter \@tfor \expandafter \reserved@a
1783 \expandafter :\expandafter =\@fps
1784 \do
1785 {%
1786 \if \reserved@a h%
1787 \ifodd \@tempcnta
1788 \else

```



```

1789         \advance \@tempcnta \@ne
1790         \fi
1791     \fi
1792     \if \reserved@a %
1793         \ifodd \@tempcnta
1794         \else
1795             \advance \@tempcnta \@ne
1796         \fi
1797     \fi
1798     \if \reserved@a t%
1799         \@setfpsbit \tw@
1800     \fi
1801     \if \reserved@a %
1802         \@setfpsbit \tw@
1803     \fi
1804     \if \reserved@a b%
1805         \@setfpsbit 4%
1806     \fi
1807     \if \reserved@a %
1808         \@setfpsbit 4%
1809     \fi
1810     \if \reserved@a p%
1811         \@setfpsbit 8%
1812     \fi
1813     \if \reserved@a %
1814         \@setfpsbit 8%
1815     \fi
1816     \if \reserved@a !%
1817         \ifnum \@tempcnta>15
1818             \advance\@tempcnta -\sixt@@n\relax
1819         \fi
1820     \fi
1821     }%
1822     \@tempcntb \csname ftype@\@capttype \endcsname
1823     \multiply \@tempcntb \@xxxii
1824     \advance \@tempcnta \@tempcntb
1825     \global \count\@currbox \@tempcnta
1826     }%
1827 \let\@fltovf
1828 \fi
1829 \global \setbox\@currbox
1830 \color@vbox
1831 \normalcolor
1832 \vbox \bgroup
1833 \hsize\columnwidth
1834 \@parboxrestore
1835 \@floatboxreset
1836 }
1837 \let\bm@ \bm@c
1838 \let\bm@ \bm@l
1839 \let\bm@ \bm@r
1840 \let\bm@ \bm@b
1841 \let\bm@ \bm@t
1842 \let\bm@ \bm@s

```



```

1843 \long\def\@iiiparbox#1#2[#3]#4#5{%
1844 \leavevmode
1845 \@pboxswfalse
1846 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1847 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1848 \setlength\@tempdima{#4}%
1849 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1850 \ifx\relax#2\else
1851 \setlength\@tempdimb{#2}%
1852 \edef\@parboxto{to\the\@tempdimb}%
1853 \fi
1854 \if#1b\vbox
1855 \else\if#1\vbox
1856 \else\if #1t\vtop
1857 \else\if vtop\ #1
1858 \else\ifmmode\vcenter
1859 \else\@pboxswtrue $\vcenter
1860 \fi\fi\fi\fi\fi
1861 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1862 \csname bm@#3\endcsname}%
1863 \if@pboxsw \m@th$\fi
1864 \@end@tempboxa}
1865 \def\@iiiminipage#1#2[#3]#4{%
1866 \leavevmode
1867 \@pboxswfalse
1868 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1869 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1870 \setlength\@tempdima{#4}%
1871 \def\@mpargs{#1}#2[#3]{#4}%
1872 \setbox\@tempboxa\vbox\bgroup
1873 \color@begingroup
1874 \hsize\@tempdima
1875 \textwidth\hsize \columnwidth\hsize
1876 \@parboxrestore
1877 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1878 \let\@footnotetext\@mpfootnotetext
1879 \let\@LTRfootnotetext\@mpLTRfootnotetext
1880 \let\@RTLfootnotetext\@mpRTLfootnotetext
1881 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1882 \@minipagerestore
1883 \@setminipage}
1884 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1885 \ifnum \@lastchclass=3 5 \else
1886 \z@ \if #1c\@chnum \z@ \else
1887 \if chnum@ \ #1 \z@ \else
1888 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1889 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1890 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1891 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1892 \@chclass \if #1\@ne \else
1893 \if #1@\tw@ \else
1894 \if #1p3 \else
1895 \if 3#1 \else \z@ \@preamerr 0\fi
1896 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```




```

1897 \fi}%
1898 }
1899 \ApplyPatchCodeToFile{array-xetex-bidi}{%
1900 \def\@testpach{\@chclass
1901 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1902 \ifnum \@lastchclass=7 5 \else
1903 \ifnum \@lastchclass=8 \tw@ \else
1904 \ifnum \@lastchclass=9 \thr@@
1905 \else \z@
1906 \ifnum \@lastchclass = 10 \else
1907 \edef\@nextchar{\expandafter\string\@nextchar}%
1908 \@chnum
1909 \if \@nextchar c\z@ \else
1910 \if \@nextchar @z\ \else
1911 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1912 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1913 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1914 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1915 \z@ \@chclass
1916 \if \@nextchar |\@ne \else
1917 \if \@nextchar !6 \else
1918 \if \@nextchar @7 \else
1919 \if \@nextchar <8 \else
1920 \if \@nextchar >9 \else
1921 10
1922 \@chnum
1923 \if \@nextchar m\thr@@\else
1924 \if \@nextchar thr@@\else\
1925 \if \@nextchar p4 \else
1926 \if \@nextchar 4 \else
1927 \if \@nextchar b5 \else
1928 \if \@nextchar 5 \else
1929 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1930 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1931 }
1932 \ApplyPatchCodeToFile{arydshln-xetex-bidi}{
1933 \ifadl@usingarypkg
1934 \def\@testpach{\@chclass
1935 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1936 \ifnum \@lastchclass=7 5 \else
1937 \ifnum \@lastchclass=8 \tw@ \else
1938 \ifnum \@lastchclass=9 \thr@@
1939 \else \z@
1940 \ifnum \@lastchclass = 10 \else
1941 \edef\@nextchar{\expandafter\string\@nextchar}%
1942 \@chnum
1943 \if \@nextchar c\z@ \else
1944 \if \@nextchar @z\ \else
1945 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1946 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1947 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1948 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1949 \z@ \@chclass
1950 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else

```



```

1951 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1952 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1953 \if \@nextchar !6 \else
1954 \if \@nextchar 07 \else
1955 \if \@nextchar <8 \else
1956 \if \@nextchar >9 \else
1957 10
1958 \@chnum
1959 \if \@nextchar m\thr@@\else
1960 \if \@nextchar thr@@\else\
1961 \if \@nextchar p4 \else
1962 \if \@nextchar 4 \else
1963 \if \@nextchar b5 \else
1964 \if \@nextchar 5 \else
1965 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1966 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1967
1968 \def\@classz{\@classx
1969 \@tempcnta \count@
1970 \prepnext@tok
1971 \@addtopreamble{\ifcase \@chnum
1972 \hfil
1973 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1974 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1975 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1976 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1977 \adl@endmbox\or
1978 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1979 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1980 \fi}\prepnext@tok}
1981 \def\adl@class@start{4}
1982 \def\adl@class@iiiiorvii{7}
1983
1984 \else
1985 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1986 \ifnum \@lastchclass=\thr@@ 5\relax \else
1987 \z@ \if #1c\@chnum \z@ \else
1988 \if @chnum\z@\ #1 \else
1989 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1990 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1991 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1992 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1993 \@chclass
1994 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1995 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1996 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1997 \if #1@\tw@ \else
1998 \if #1p\thr@@ \else
1999 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2000 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2001
2002 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2003 \or \or \@addamp \or
2004 \@acolampacol \or \@firstampfalse \@acol \fi

```



```

2005     \edef\@preamble{\@preamble
2006         \ifcase \@chnum
2007             \hfil\adl@putlrc{\$ \relax\@sharp$}\hfil
2008             \or \adl@putlrc{\$ \relax\@sharp$}\hfil
2009             \or \hfil\adl@putlrc{\$ \relax\@sharp$}\fi}}
2010 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2011     \or \or \@addamp \or
2012     \@acolampacol \or \@firstampfalse \@acol \fi
2013     \edef\@preamble{\@preamble
2014     \ifcase \@chnum
2015         \hfil\adl@putlrc{\@sharp\unskip}\hfil
2016         \or \adl@putlrc{\@sharp\unskip}\hfil
2017         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2018 \def\adl@class@start{6}
2019 \def\adl@class@iiiorvii{3}
2020 \fi
2021 }
2022 \ApplyPatchCodeToFile{tabulary-xetex-bidi}{%
2023 \def\@testpach{\@chclass
2024 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2025 \ifnum \@lastchclass=7 5 \else
2026 \ifnum \@lastchclass=8 \tw@ \else
2027 \ifnum \@lastchclass=9 \thr@@
2028 \else \z@
2029 \ifnum \@lastchclass = 10 \else
2030 \edef\@nextchar{\expandafter\string\@nextchar}%
2031 \@chnum
2032 \if \@nextchar c\z@ \else
2033 \if \@nextchar @z\ \else
2034 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2035 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2036 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2037 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2038 \if \@nextchar C7 \else
2039 \if \@nextchar 7 \else
2040 \if \@nextchar L8 \else
2041 \if \@nextchar 8 \else
2042 \if \@nextchar R9 \else
2043 \if \@nextchar 9 \else
2044 \if \@nextchar J10 \else
2045 \if \@nextchar 10 \else
2046 \z@ \@chclass
2047 \if\@nextchar |\@ne \else
2048 \if \@nextchar !6 \else
2049 \if \@nextchar @7 \else
2050 \if \@nextchar <8 \else
2051 \if \@nextchar >9 \else
2052 10
2053 \@chnum
2054 \if \@nextchar m\thr@@\else
2055 \if \@nextchar thr@@\else\
2056 \if \@nextchar p4 \else
2057 \if \@nextchar4 \else
2058 \if \@nextchar b5 \else

```




```

2110     \let\NAT@super@kern\relax
2111     \fi
2112     \let\@citex\NAT@citexnum
2113 \let\@Latincitex\NAT@Latin@citexnum
2114     \let\@biblabel\NAT@biblabelnum
2115     \let\@bibsetup\NAT@bibsetnum
2116     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2117     \def\natexlab##1{%
2118     \def\NAT@penalty{\penalty\@m}%
2119 \else
2120     \let\@cite\NAT@cite
2121     \let\@citex\NAT@citex
2122     \let\@Latincitex\NAT@Latin@citex
2123     \let\@biblabel\NAT@biblabel
2124     \let\@bibsetup\NAT@bibsetup
2125     \let\NAT@space\NAT@spacechar
2126     \let\NAT@penalty\@empty
2127     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2128     \def\natexlab##1{##1}%
2129 \fi}
2130 \newcommand\NAT@Latin@citex{}
2131 \def\NAT@Latin@citex%
2132   [#1][#2]#3{%
2133   \NAT@reset@parser
2134   \NAT@sort@cites{#3}%
2135   \NAT@reset@citea
2136   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2137   \@for\@citeb:=\NAT@cite@list\do
2138   {\@safe@activestru
2139   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2140   \@safe@activesfalse
2141   \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2142   {\reset@font\bfseries ?}\NAT@citeundefined
2143   \PackageWarning{natbib}%
2144   {Citation `@\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2145   {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2146   \NAT@parse{\@citeb}%
2147   \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2148     \let\NAT@name=\NAT@all@names
2149     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2150   \fi
2151   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2152     \let\NAT@nm\NAT@name\fi
2153   \ifNAT@swa\ifcase\NAT@ctype
2154     \if\relax\NAT@date\relax
2155     \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2156   \else
2157     \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2158     \ifx\NAT@last@yr\NAT@year
2159     \def\NAT@temp{?}%
2160     \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2161     {Multiple citation on page \thepage: same authors and
2162     year\MessageBreak without distinguishing extra
2163     letter,\MessageBreak appears as question mark}\fi

```



```

2164         \NAT@hyper@{\NAT@exlab}%
2165         \else\unskip\NAT@spacechar
2166         \NAT@hyper@{\NAT@date}%
2167         \fi
2168     \else
2169         \@citea\NAT@hyper@{%
2170         \NAT@nmfmt{\NAT@nm}%
2171         \hyper@natlinkbreak{%
2172         \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2173         }%
2174         \NAT@date
2175         }%
2176     \fi
2177 \fi
2178 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2179 \or\@citea\NAT@hyper@{\NAT@date}%
2180 \or\@citea\NAT@hyper@{\NAT@alias}%
2181 \fi \NAT@def@citea
2182 \else
2183     \ifcase\NAT@ctype
2184     \if\relax\NAT@date\relax
2185         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2186     \else
2187         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2188             \ifx\NAT@last@yr\NAT@year
2189                 \def\NAT@temp{?}%
2190                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2191                 {Multiple citation on page \thepage: same authors and
2192                 year\MessageBreak without distinguishing extra
2193                 letter,\MessageBreak appears as question mark}\fi
2194                 \NAT@hyper@{\NAT@exlab}%
2195             \else
2196                 \unskip\NAT@spacechar
2197                 \NAT@hyper@{\NAT@date}%
2198             \fi
2199         \else
2200             \@citea\NAT@hyper@{%
2201             \NAT@nmfmt{\NAT@nm}%
2202             \hyper@natlinkbreak{\NAT@spacechar\NAT@@open@if*#1*\else#1\NAT@spacechar\fi}%
2203             {\@citeb\@extra@b@citeb}%
2204             \NAT@date
2205             }%
2206         \fi
2207     \fi
2208 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2209 \or\@citea\NAT@hyper@{\NAT@date}%
2210 \or\@citea\NAT@hyper@{\NAT@alias}%
2211 \fi
2212 \if\relax\NAT@date\relax
2213     \NAT@def@citea
2214 \else
2215     \NAT@def@citea@close
2216 \fi
2217 \fi

```



```

2218     }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2219     \if\relax\NAT@date\relax\else\NAT@close\fi\fi}}{#1}{#2}}
2220 \newcommand\NAT@Latin@citexnum{}
2221 \def\NAT@Latin@citexnum[#1][#2]#3{%
2222   \NAT@reset@parser
2223   \NAT@sort@cites{#3}%
2224   \NAT@reset@citea
2225   \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2226     \for\@citeb:=\NAT@cite@list\do
2227     {\@safe@activestrue
2228       \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2229     \@safe@activesfalse
2230     \ifundefined{b@\@citeb\@extra@b@citeb}{%
2231       {\reset@font\bfseries?}
2232       \NAT@citeundefined\PackageWarning{natbib}%
2233       {Citation ``\@citeb' on page \thepage \space undefined}}%
2234     {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2235       \NAT@parse{\@citeb}}%
2236     \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2237       \let\NAT@name=\NAT@all@names
2238       \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2239     \fi
2240     \ifNAT@full\let\NAT@nm\NAT@all@names\else
2241       \let\NAT@nm\NAT@name\fi
2242     \ifNAT@swa
2243       \@ifnum{\NAT@cotype>\@ne}{%
2244         \@citea
2245         \NAT@hyper@{\@ifnum{\NAT@cotype=\tw@}{\NAT@test{\NAT@cotype}}{\NAT@alias}}%
2246       }{%
2247         \@ifnum{\NAT@cmprs>\z@}{%
2248           \NAT@ifcat@num\NAT@num
2249           {\let\NAT@nm=\NAT@num}%
2250           {\def\NAT@nm{-2}}%
2251           \NAT@ifcat@num\NAT@last@num
2252           {\@tempcnta=\NAT@last@num\relax}%
2253           {\@tempcnta\m@ne}%
2254           \@ifnum{\NAT@nm=\@tempcnta}{%
2255             \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbbox}%
2256           }{%
2257             \advance\@tempcnta by\@ne
2258             \@ifnum{\NAT@nm=\@tempcnta}{%
2259               \ifx\NAT@last@yr\relax
2260                 \def\NAT@last@yr{\@citea}%
2261               \else
2262                 \def\NAT@last@yr{--\NAT@penalty}%
2263             \fi
2264             }{%
2265               \NAT@last@yr@mbbox
2266             }%
2267           }%
2268         }{%
2269           \@tempswatrue
2270           \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}}%
2271         \if@tempswa\NAT@citea@mbbox\fi

```



```

2272     }%
2273   }%
2274   \NAT@def@citea
2275   \else
2276     \ifcase\NAT@ctype
2277     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2278     \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2279     \fi
2280     \if*#1*\else#1\NAT@spacechar\fi
2281     \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2282     \NAT@def@citea@box
2283     \or
2284     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2285     \or
2286     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2287     \or
2288     \NAT@hyper@citea@space\NAT@alias
2289     \fi
2290   \fi
2291 }%
2292 }%
2293 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2294 \ifNAT@swa\else
2295 \@ifnum{\NAT@ctype=\z@}{%
2296 \if*#2*\else\NAT@cmt#2\fi
2297 }{%}%
2298 \NAT@mbox{\NAT@@close}%
2299 \fi
2300 }}{#1}{#2}%
2301 }%
2302 \AtBeginDocument{\NAT@set@cites}
2303 \DeclareRobustCommand\Latincite
2304 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2305 \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2306 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2307 \ifNAT@numbers\else
2308 \NAT@swafalse
2309 \fi
2310 \NAT@@Latin@@citetp[]}}
2311 \newcommand\NAT@@Latin@@citetp{
2312 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

45 File packages-localize-xetex-xepersian.def

```

2313 packages} \-localize-xetex-xepersian.def}[2025/01/03 v0.3 localizing LaTeX2e Packages
2314 color} \}{color} @\-localize-xetex-xepersian.def}}{
2315 \ApplyPatchCodeToPackage{multicol}{%
2316 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2317 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2318 }
2319 \ApplyPatchCodeToPackage{verbatim}{%
2320 \begingroup
2321 \vrb@catcodes
2322 \lccode`!=`\ \lccode`[=\`{\ \lccode`\]=`\}

```




```

2323 \catcode\-=\active \lccode\-=\^^M
2324 \lccode\C=\C
2325 \lowercase{\endgroup
2326   \def\xepersian@localize@verbatim@start#1{%
2327     \verbatim@startline
2328     \if\noexpand#1\noexpand~%
2329       \let\next\xepersian@localize@verbatim@
2330     \else \def\next{\xepersian@localize@verbatim@#1}\fi
2331     \next}%
2332   \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2333   \def\xepersian@localize@verbatim@@#1! {%
2334     \verbatim@addtoline{#1}%
2335     \futurelet\next\xepersian@localize@verbatim@@@}%
2336   \def\xepersian@localize@verbatim@@@#1\@nil{%
2337     \ifx\next\@nil
2338       \verbatim@processline
2339       \verbatim@startline
2340       \let\next\xepersian@localize@verbatim@
2341     \else
2342       \def\@tempa##1! \@nil{##1}%
2343       \@temptokena{! }%
2344       \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2345     \fi \next}%
2346   \def\xepersian@localize@verbatim@test#1{%
2347     \let\next\xepersian@localize@verbatim@test
2348     \if\noexpand#1\noexpand~%
2349       \expandafter\verbatim@addtoline
2350       \expandafter{\the\@temptokena}%
2351       \verbatim@processline
2352       \verbatim@startline
2353       \let\next\xepersian@localize@verbatim@
2354     \else \if\noexpand#1
2355       \@temptokena\expandafter{\the\@temptokena#1}%
2356     \else \if\noexpand#1\noexpand[%
2357       \let\@tempc\@empty
2358       \let\next\xepersian@localize@verbatim@testend
2359     \else
2360       \expandafter\verbatim@addtoline
2361       \expandafter{\the\@temptokena}%
2362       \def\next{\xepersian@localize@verbatim@#1}%
2363     \fi\fi\fi
2364     \next}%
2365   \def\xepersian@localize@verbatim@testend#1{%
2366     \if\noexpand#1\noexpand~%
2367       \expandafter\verbatim@addtoline
2368       \expandafter{\the\@temptokena}%
2369       \expandafter\verbatim@addtoline
2370       \expandafter{\@tempc}%
2371       \verbatim@processline
2372       \verbatim@startline
2373       \let\next\xepersian@localize@verbatim@
2374     \else\if\noexpand#1\noexpand[%
2375       \let\next\xepersian@localize@verbatim@testend
2376     \else\if\noexpand#1\noexpand!%

```



```

2377         \expandafter\verbatim@addtoline
2378         \expandafter{\the\@temptokena []}%
2379         \expandafter\verbatim@addtoline
2380         \expandafter{\@tempc}%
2381         \def\next{\xepersian@localize@verbatim@!}%
2382         \else \expandafter\def\expandafter\@tempc\expandafter
2383         {\@tempc#1}\fi\fi\fi
2384         \next}%
2385 \def\xepersian@localize@verbatim@@testend{%
2386 \ifx\@tempc\@currenvir
2387 \verbatim@finish
2388 \edef\next{\noexpand\end{\@currenvir}%
2389 \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}%
2390 \else
2391 \expandafter\verbatim@addtoline
2392 \expandafter{\the\@temptokena []}%
2393 \expandafter\verbatim@addtoline
2394 \expandafter{\@tempc}]%
2395 \let\next\xepersian@localize@verbatim@
2396 \fi
2397 \next}%
2398 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2399 \@warning{Characters dropped after ~\string\end{#1}'}\fi}}%
2400 \def\
2401     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2402     \xepersian@localize@verbatim@start}
2403 \namedef{
2404     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2405 \def\end
2406     {\endtrivlist\endgroup\@doendpe}
2407 \expandafter\let\csname end
2408     *\endcsname =\end
2409 }
2410 \ExplSyntaxOn
2411 \AtBeginDocument{
2412 \xepersian_localize_patch_verbatim:
2413 }
2414 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2415 \ApplyPatchCodeToPackage{verbatim}{
2416 \cs_set:cpn {*
2417 }
2418 \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2419 }
2420 }
2421 \ExplSyntaxOff
2422 \ApplyPatchCodeToPackage{graphicx}{%
2423 \def\Gin@boolkey#1#2{%
2424 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2425 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2true\endcsname}%
2426 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2427 \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2false\endcsname}%
2428 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2429 \define@key{Grot}{origin}[c]{%
2430 \@tfor\@tempa:=#1\do{%
2431 \if l\@tempa \Grot@x\z@\else
2432 \if tempa@ \Grot@x\z@\else
2433 \if r\@tempa \Grot@x\width\else
2434 \if tempa@ \Grot@x\width\else

```



```

2431 \if t@tempa \Grot@y\height\else
2432 \if tempa@ \Grot@y\height\else
2433 \if b@tempa \Grot@y-\depth\else
2434 \if tempa@ \Grot@y-\depth\else
2435 \if B@tempa \Grot@y\z@ \else
2436 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2437 {draft}{ }{Gin} @ \
2438 {origin}{ }{Gin} @ \
2439 {origin}{ }{Grot} @ \
2440 {clip}{ }{Gin} @ \
2441 {keepaspectratio}{ }{Gin} @ \
2442 {natwidth}{ }{Gin} @ \
2443 {natheight}{ }{Gin} @ \
2444 {bb}{ }{Gin} @ \
2445 {viewport}{ }{Gin} @ \
2446 {trim}{ }{Gin} @ \
2447 {angle}{ }{Gin} @ \
2448 {width}{ }{Gin} @ \
2449 {height}{ }{Gin} @ \
2450 {totalheight}{ }{Gin} @ \
2451 {scale}{ }{Gin} @ \
2452 {type}{ }{Gin} @ \
2453 {ext}{ }{Gin} @ \
2454 {read}{ }{Gin} @ \
2455 {command}{ }{Gin} @ \
2456 {x}{ }{Grot} @ \
2457 {y}{ }{Grot} @ \
2458 {units}{ }{Grot} @ \
2459 }

```

46 File url-xetex-xepersian.def

```

2460 \ProvidesFile{url-xetex-xepersian.def}[2022/02/18 v0.1 xepersian adaptations for url package]
2461 \begingroup
2462 \lccode`+=`%\lccode`\~=`%
2463 \lowercase {\long\gdef\Utl@actpercent{\Utl@Edit\Utl@String{+}{-}%
2464 \ifnum\Umathcodenum`%\<32768 \def~{`%\fi}}%
2465 \endgroup%

```

47 File persian-tex-text.map

```

2466 LHSName "persian-TeX-text"
2467 RHSName "Unicode"
2468
2469 pass(Unicode)
2470 U+0030 <> U+06F0 ;
2471 U+0031 <> U+06F1 ;
2472 U+0032 <> U+06F2 ;
2473 U+0033 <> U+06F3 ;
2474 U+0034 <> U+06F4 ;
2475 U+0035 <> U+06F5 ;
2476 U+0036 <> U+06F6 ;
2477 U+0037 <> U+06F7 ;
2478 U+0038 <> U+06F8 ;

```



```

2479 U+0039 <> U+06F9 ;
2480
2481
2482 U+002C <> U+060C ; comma > arabic comma
2483 U+003F <> U+061F ; question mark -> arabic qm
2484 U+003B <> U+061B ; semicolon -> arabic semicolon
2485
2486 ; ligatures from Knuth's original CMR fonts
2487 U+002D U+002D <> U+2013 ; -- -> en dash
2488 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2489
2490 U+0027 <> U+2019 ; ' -> right single quote
2491 U+0027 U+0027 <> U+201D ; '' -> right double quote
2492 U+0022 > U+201D ; " -> right double quote
2493
2494 U+0060 <> U+2018 ; ` -> left single quote
2495 U+0060 U+0060 <> U+201C ; `` -> left double quote
2496
2497 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2498 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2499
2500 ; additions supported in T1 encoding
2501 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2502 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2503 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

48 File persian-tex-text-nonnumbers.map

```

2504 LHSName "persian-TeX-text-nonnumbers"
2505 RHSName "Unicode"
2506
2507 pass(Unicode)
2508 U+002C <> U+060C ; comma > arabic comma
2509 U+003F <> U+061F ; question mark -> arabic qm
2510 U+003B <> U+061B ; semicolon -> arabic semicolon
2511
2512 ; ligatures from Knuth's original CMR fonts
2513 U+002D U+002D <> U+2013 ; -- -> en dash
2514 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2515
2516 U+0027 <> U+2019 ; ' -> right single quote
2517 U+0027 U+0027 <> U+201D ; '' -> right double quote
2518 U+0022 > U+201D ; " -> right double quote
2519
2520 U+0060 <> U+2018 ; ` -> left single quote
2521 U+0060 U+0060 <> U+201C ; `` -> left double quote
2522
2523 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2524 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2525
2526 ; additions supported in T1 encoding
2527 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2528 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2529 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```



49 File persian-tex-ligs.lua

```
2530 local otf = fonts.handlers.otf
2531 local registerotffeature = otf.features.register
2532 local addotffeature = otf.addfeature
2533
2534 local persiantexlig = {
2535   {
2536     type = "substitution",
2537     order = {"persiantexlig"},
2538     prepend = true,
2539     data = {
2540       [0x0030] = 0x06F0,
2541       [0x0031] = 0x06F1,
2542       [0x0032] = 0x06F2,
2543       [0x0033] = 0x06F3,
2544       [0x0034] = 0x06F4,
2545       [0x0035] = 0x06F5,
2546       [0x0036] = 0x06F6,
2547       [0x0037] = 0x06F7,
2548       [0x0038] = 0x06F8,
2549       [0x0039] = 0x06F9,
2550       [0x002C] = 0x060C, -- comma > arabic comma
2551       [0x003F] = 0x061F, -- question mark -> arabic qm
2552       [0x003B] = 0x061B, -- semicolon -> arabic semicolon
2553       [0x0027] = 0x2019, -- ' -> right single quote
2554       [0x0022] = 0x201D, -- " -> right double quote
2555       [0x0060] = 0x2018 -- ` -> left single quote
2556     }
2557   },
2558   {
2559     type = "ligature",
2560     order = {"persiantexlig"},
2561     prepend = true,
2562     data = {
2563       -- ligatures from Knuth's original CMR fonts
2564       [0x2013] = {0x002D, 0x002D}, -- -- -> en dash
2565       [0x2014] = {0x002D, 0x002D, 0x002D}, -- --- -> em dash
2566       [0x201D] = {0x0027, 0x0027}, -- '' -> right double quote
2567       [0x201C] = {0x0060, 0x0060}, -- `` -> left double quote
2568       [0x00A1] = {0x0021, 0x0060}, -- !` -> inverted exclam
2569       [0x00BF] = {0x003F, 0x0060}, -- ?` -> inverted question
2570       -- additions supported in T1 encoding
2571       [0x201E] = {0x002C, 0x002C}, -- ,, -> DOUBLE LOW-9 QUOTATION MARK
2572       [0x00AB] = {0x003C, 0x003C}, -- << -> LEFT POINTING GUILLET
2573       [0x00BB] = {0x003E, 0x003E} -- >> -> RIGHT POINTING GUILLET
2574     }
2575   }
2576 }
2577
2578 local persiantexlignonum = {
2579   {
2580     type = "substitution",
2581     order = {"persiantexlignonum"},
```



```

2582     prepend = true,
2583     data = {
2584         [0x002C] = 0x060C, -- comma > arabic comma
2585         [0x003F] = 0x061F, -- question mark -> arabic qm
2586         [0x003B] = 0x061B, -- semicolon -> arabic semicolon
2587         [0x0027] = 0x2019, -- ' -> right single quote
2588         [0x0022] = 0x201D, -- " -> right double quote
2589         [0x0060] = 0x2018 -- ` -> left single quote
2590     }
2591 },
2592 {
2593     type = "ligature",
2594     order = {"persiantexlignnum"},
2595     prepend = true,
2596     data = {
2597         -- ligatures from Knuth's original CMR fonts
2598         [0x2013] = {0x002D, 0x002D}, -- -- -> en dash
2599         [0x2014] = {0x002D, 0x002D, 0x002D}, -- --- -> em dash
2600         [0x201D] = {0x0027, 0x0027}, -- '' -> right double quote
2601         [0x201C] = {0x0060, 0x0060}, -- `` -> left double quote
2602         [0x00A1] = {0x0021, 0x0060}, -- !` -> inverted exclamation
2603         [0x00BF] = {0x003F, 0x0060}, -- ?` -> inverted question
2604         -- additions supported in T1 encoding
2605         [0x201E] = {0x002C, 0x002C}, -- ,, -> DOUBLE LOW-9 QUOTATION MARK
2606         [0x00AB] = {0x003C, 0x003C}, -- << -> LEFT POINTING GUILLEMET
2607         [0x00BB] = {0x003E, 0x003E} -- >> -> RIGHT POINTING GUILLEMET
2608     }
2609 }
2610 }
2611
2612 addotffeature("persiantexlignnum", persiantexlignnum)
2613 addotffeature("persiantexlig", persiantexlig)
2614
2615 registerotffeature {name = "persiantexlig", description = "Persian TeX ligatures"}
2616 registerotffeature {name = "persiantexlignnum", description = "Persian TeX ligatures without"}
2617
2618 -- We implement persiantexlig and persiantexlignnum for HarfBuzz too
2619 local direct = node.direct
2620 local otfregister = fonts.constructors.features.otf.register
2621
2622 local getdisc = direct.getdisc
2623 local getnext = direct.getnext
2624 local is_char = direct.is_char
2625 local setchar = direct.setchar
2626
2627 local persiandigits = {
2628     [0x0030] = 0x06F0,
2629     [0x0031] = 0x06F1,
2630     [0x0032] = 0x06F2,
2631     [0x0033] = 0x06F3,
2632     [0x0034] = 0x06F4,
2633     [0x0035] = 0x06F5,
2634     [0x0036] = 0x06F6,
2635     [0x0037] = 0x06F7,

```



```

2636 [0x0038] = 0x06F8,
2637 [0x0039] = 0x06F9
2638 }
2639
2640 local persianpuncts = {
2641 [0x002C] = 0x060C, -- comma > arabic comma
2642 [0x003F] = 0x061F, -- question mark -> arabic qm
2643 [0x003B] = 0x061B, -- semicolon -> arabic semicolon
2644 [0x0027] = 0x2019, -- ' -> right single quote
2645 [0x0022] = 0x201D, -- " -> right double quote
2646 [0x0060] = 0x2018 -- ` -> left single quote
2647 }
2648
2649 local persiantexlig = {
2650 [0x002D] = {[0x002D] = {char = 0x2013}}, -- -- -> en dash
2651 [0x2013] = {[0x002D] = {char = 0x2014}}, -- --- -> em dash
2652 [0x0027] = {[0x0027] = {char = 0x201D}}, -- ' -> right double quote
2653 [0x0060] = {[0x0060] = {char = 0x201C}}, -- `` -> left double quote
2654 [0x0021] = {[0x0060] = {char = 0x00A1}}, -- !` -> inverted exclam
2655 [0x003F] = {[0x0060] = {char = 0x00BF}}, -- ?` -> inverted question
2656 -- additions supported in T1 encoding
2657 [0x002C] = {[0x002C] = {char = 0x201E}}, -- ,, -> DOUBLE LOW-9 QUOTATION MARK
2658 [0x003C] = {[0x003C] = {char = 0x00AB}}, -- << -> LEFT POINTING GUILLEMET
2659 [0x003E] = {[0x003E] = {char = 0x00BB}} -- >> -> RIGHT POINTING GUILLEMET
2660 }
2661
2662 local function persiantexligprocessor(head, font)
2663 local n = head
2664 while n do
2665 local c, id = is_char(n, font)
2666 local persiannum = persiandigits[c]
2667 local persianpunct = persianpuncts[c]
2668 if persiannum then
2669 setchar(n, persiannum)
2670 elseif persianpunct then
2671 setchar(n, persianpunct)
2672 elseif id == disc_t then
2673 local pre, post, replace = getdisc(n)
2674 persiantexligprocessor(pre, font)
2675 persiantexligprocessor(post, font)
2676 persiantexligprocessor(replace, font)
2677 end
2678 n = getnext(n)
2679 end
2680 end
2681
2682 otfregister {
2683 name = 'persiantexlig',
2684 description = 'Persian TeX ligatures',
2685 default = false,
2686 manipulators = {
2687 plug = function(tfmdata, _, value)
2688 local characters = tfmdata.characters
2689 for codepoint, ligatures in next, persiantexlig do

```



```

2690     local char = characters[codepoint]
2691     if char then
2692         char.ligatures = ligatures
2693     end
2694 end
2695 end,
2696 },
2697 processors = {
2698     position=1,
2699     plug = persiantexligprocessor,
2700 },
2701 }
2702
2703 local function persiantexlignonumprocessor(head, font)
2704     local n = head
2705     while n do
2706         local c, id = is_char(n, font)
2707         local persianpunct = persianpuncts[c]
2708         if persianpunct then
2709             setchar(n, persianpunct)
2710         elseif id == disc_t then
2711             local pre, post, replace = getdisc(n)
2712             persiantexlignonumprocessor(pre, font)
2713             persiantexlignonumprocessor(post, font)
2714             persiantexlignonumprocessor(replace, font)
2715         end
2716         n = getnext(n)
2717     end
2718 end
2719
2720 otfregister {
2721     name = 'persiantexlignum',
2722     description = 'Persian TeX ligatures without numbers',
2723     default = false,
2724     manipulators = {
2725         plug = function(tfmdata, _, value)
2726             local characters = tfmdata.characters
2727             for codepoint, ligatures in next, persiantexlig do
2728                 local char = characters[codepoint]
2729                 if char then
2730                     char.ligatures = ligatures
2731                 end
2732             end
2733         end,
2734     },
2735     processors = {
2736         position=1,
2737         plug = persiantexlignonumprocessor,
2738     },
2739 }

```

50 File rapport1-xetex-xepersian.def

2740 \ProvidesFile{rapport1-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for rapport




```

2741 \renewcommand*\thepart{\@tartibi\c@part}
2742 \renewcommand*\appendix{\par
2743   \setcounter{chapter}{0}%
2744   \setcounter{section}{0}%
2745   \gdef\@chapapp{\appendixname}%
2746   \gdef\thechapter{\@harfi\c@chapter}}

```

51 File rapport3-xetex-xepersian.def

```

2747 \ProvidesFile{rapport3-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for rapport
2748 \renewcommand*\thepart{\@tartibi\c@part}
2749 \renewcommand*\appendix{\par
2750   \setcounter{chapter}{0}%
2751   \setcounter{section}{0}%
2752   \gdef\@chapapp{\appendixname}%
2753   \gdef\thechapter{\@harfi\c@chapter}}

```

52 File refrep-xetex-xepersian.def

```

2754 \ProvidesFile{refrep-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for refrep cl
2755 \renewcommand \thepart {\@tartibi\c@part}
2756 \renewcommand\appendix{\par
2757   \setcounter{chapter}{0}%
2758   \setcounter{section}{0}%
2759   \gdef\@chapapp{\appendixname}%
2760   \gdef\thechapter{\@harfi\c@chapter}
2761 }%end appendix

```

53 File report-xetex-xepersian.def

```

2762 \ProvidesFile{report-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for report cl
2763 \renewcommand \thepart {\@tartibi\c@part}
2764 \renewcommand\appendix{\par
2765   \setcounter{chapter}{0}%
2766   \setcounter{section}{0}%
2767   \gdef\@chapapp{\appendixname}%
2768   \gdef\thechapter{\@harfi\c@chapter}
2769 }%end appendix

```

54 File scrartcl-xetex-xepersian.def

```

2770 \ProvidesFile{scrartcl-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrartcl
2771 \renewcommand*\thepart{\@tartibi\c@part}
2772 \renewcommand*\appendix{%
2773   \Ifstr{\@currenvir}{appendix}{%
2774     \ClassWarning{\KOMAClassName}{%
2775       You are using
2776       \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2777       You should note, that \string\appendix' is a mostly
2778       globally\MessageBreak
2779       working command not an enviroment with only local\MessageBreak
2780       effects. Therefore \string\end{appendix}' will neither\MessageBreak
2781       switch back to normal section numbering nor finish\MessageBreak
2782       every other effect of \string\begin{appendix}'.\MessageBreak

```



```

2783     Nevertheless, some effects may end with\MessageBreak
2784     `\

```

55 File scrbook-xetex-xepersian.def

```

2821 \ProvidesFile{scrbook-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrbook
2822 \renewcommand*\frontmatter{%
2823   \if@twoside\cleardoubleoddpages\else\clearpage\fi
2824   \@mainmatterfalse\pagenumbering{harfi}%
2825 }
2826 \renewcommand*\thepart{\@tartibi\c@part}
2827 \renewcommand*\appendix{%
2828   \Ifstr{\@currentenv}{appendix}{%
2829     \ClassWarning{\KOMAClassName}{%
2830       You are using
2831       `\

```



```

2834     working command not an enviroment with only local\MessageBreak
2835     effects. Therefore `\string\end{appendix}' will neither\MessageBreak
2836     switch back to normal section numbering nor finish\MessageBreak
2837     every other effect of `\string\begin{appendix}'. \MessageBreak
2838     Nevertheless, some effects may end with\MessageBreak
2839     `\string\end{appendix}' and the document may become\MessageBreak
2840     inconsistent. \MessageBreak
2841     Because of this, you should remove `\string\end{appendix}' \MessageBreak
2842     and replace `\string\begin{appendix}' by command \MessageBreak
2843     `\string\appendix'
2844     }%
2845 }{}%
2846 \par
2847 \setcounter{chapter}{0}%
2848 \setcounter{section}{0}%
2849 \gdef\@chapapp{\appendixname}%
2850 \gdef\thechapter{\@harfi\c@chapter}%
2851 }
2852 \IfLTXAtLeastTF{2020/10/01}{%
2853 \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2854 }{}
2855 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2856 \renewcommand*{\@@maybeautodot}[1]{%
2857 \ifx #1\@stop\let\@@maybeautodot\relax
2858 \else
2859 \ifx #1\harfi \@autodottrue\fi
2860 \ifx #1\adadi \@autodottrue\fi
2861 \ifx #1\tartibi \@autodottrue\fi
2862 \ifx #1\Alph \@autodottrue\fi
2863 \ifx #1\alph \@autodottrue\fi
2864 \ifx #1\Roman \@autodottrue\fi
2865 \ifx #1\roman \@autodottrue\fi
2866 \ifx #1\@harfi \@autodottrue\fi
2867 \ifx #1\@adadi \@autodottrue\fi
2868 \ifx #1\@tartibi \@autodottrue\fi
2869 \ifx #1\@Alph \@autodottrue\fi
2870 \ifx #1\@alph \@autodottrue\fi
2871 \ifx #1\@Roman \@autodottrue\fi
2872 \ifx #1\@roman \@autodottrue\fi
2873 \ifx #1\romannumeral \@autodottrue\fi
2874 \fi
2875 \@@maybeautodot
2876 }

```

56 File `scrreprt-xetex-xepersian.def`

```

2877 \ProvidesFile{scrreprt-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrreprt]
2878 \renewcommand*{\thepart}{\@tartibi\c@part}
2879 \renewcommand*\appendix{%
2880 \Ifstr{\@currenvir}{appendix}{%
2881 \ClassWarning{\KOMAClassName}{%
2882 You are using
2883 `\string\begin{appendix}... \string\end{appendix}'. \MessageBreak
2884 You should note, that `\string\appendix' is a mostly

```



```

2885     globally\MessageBreak
2886     working command not an enviroment with only local\MessageBreak
2887     effects. Therefore \string\end{appendix} will neither\MessageBreak
2888     switch back to normal section numbering nor finish\MessageBreak
2889     every other effect of \string\begin{appendix}. \MessageBreak
2890     Nevertheless, some effects may end with\MessageBreak
2891     \string\end{appendix} and the document may become\MessageBreak
2892     inconsistent. \MessageBreak
2893     Because of this, you should remove \string\end{appendix} \MessageBreak
2894     and replace \string\begin{appendix} by command \MessageBreak
2895     \string\appendix'
2896     }%
2897   }{}%
2898   \par
2899   \setcounter{chapter}{0}%
2900   \setcounter{section}{0}%
2901   \gdef\@chapapp{\appendixname}%
2902   \gdef\thechapter{\@harfi\c@chapter}%
2903 }
2904 \IfLTXAtLeastTF{2020/10/01}{%
2905   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2906 }{}
2907 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2908 \renewcommand*{\@maybeautodot}[1]{%
2909   \ifx #1\@stop\let\@maybeautodot\relax
2910   \else
2911     \ifx #1\harfi \@autodottrue\fi
2912     \ifx #1\adadi \@autodottrue\fi
2913     \ifx #1\tartibi \@autodottrue\fi
2914     \ifx #1\Alph \@autodottrue\fi
2915     \ifx #1\alph \@autodottrue\fi
2916     \ifx #1\Roman \@autodottrue\fi
2917     \ifx #1\roman \@autodottrue\fi
2918     \ifx #1\@harfi \@autodottrue\fi
2919     \ifx #1\@adadi \@autodottrue\fi
2920     \ifx #1\@tartibi \@autodottrue\fi
2921     \ifx #1\@Alph \@autodottrue\fi
2922     \ifx #1\@alph \@autodottrue\fi
2923     \ifx #1\@Roman \@autodottrue\fi
2924     \ifx #1\@roman \@autodottrue\fi
2925     \ifx #1\romannumeral \@autodottrue\fi
2926   \fi
2927   \@maybeautodot
2928 }

```

57 File soul-xetex-xepersian.def

```

2929 \ProvidesFile{soul-xetex-xepersian.def}[2018/12/12 v0.2 xepersian adaptations for soul package]
2930 \let\SOUL@tt@latin\SOUL@tt
2931 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2932 \def\SOUL@tt{%
2933   \if@nonlatin
2934     \SOUL@tt@nonlatin
2935   \else

```



```

2936 \SOUL@tt@latin
2937 \fi
2938 }
2939 \bidi@appto\resetlatinfont{%
2940 \setbox\z@\hbox{\SOUL@tt-}%
2941 \SOUL@ttwidth\wd\z@
2942 }
2943 \bidi@appto\setpersianfont{%
2944 \setbox\z@\hbox{\SOUL@tt-}%
2945 \SOUL@ttwidth\wd\z@
2946 }

```

58 File tkz-linknodes-xetex-xepersian.def

```

2947 \ProvidesFile{tkz-linknodes-xetex-xepersian.def}[2012/06/13 v0.1 xepersian adaptations for tkz-linknodes]
2948 \renewcommand*{\@SetTab}{%
2949 \let\@alph\@latalph%
2950 \ifnum \value{C@NumTab}>25\relax%
2951 \setcounter{C@NumTab}{1}%
2952 \else%
2953 \stepcounter{C@NumTab}%
2954 \fi%
2955 \setcounter{C@NumGroup}{0}%
2956 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2957 \setboolean{B@FirstLink}{true}
2958 \setboolean{B@NewGroup}{false}
2959 \setcounter{C@NumGroup}{0}
2960 \setcounter{C@CurrentGroup}{0}
2961 \setcounter{NumC@Node}{0}
2962 \setcounter{NumC@Stop}{0}
2963 \setcounter{C@NextNode}{0}
2964 \setcounter{C@CurrentStop}{0}
2965 \setcounter{C@CurrentNode}{0}
2966 }%

```

59 File tocloft-xetex-xepersian.def

```

2967 \ProvidesFile{tocloft-xetex-xepersian.def}[2025/01/03 v0.2 xepersian adaptations for tocloft]
2968 \IfClassLoadedT{memoir}{\endinput}
2969 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2970 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2971 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2972 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2973 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2974 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2975 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2976 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2977 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2978 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

60 File varioref-xetex-xepersian.def

```

2979 \ProvidesFile{varioref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for varioref]
2980 \def\reftextfaceafter{%

```



```

2981 \if@RTL
2982
2983 \reftextvario{ }{ }%
2984 \else
2985   on the \reftextvario{facing}{next} page%
2986 \fi
2987 }
2988 \def\reftextfacebefore{%
2989 \if@RTL
2990
2991 \reftextvario{ }{ }%
2992 \else
2993   on the \reftextvario{facing}{preceding} page%
2994 \fi
2995 }
2996 \def\reftextafter{%
2997 \if@RTL
2998
2999 \reftextvario{ }{ }%
3000 \else
3001   on the \reftextvario{following}{next} page%
3002 \fi
3003 }
3004 \def\reftextbefore{%
3005 \if@RTL
3006
3007 \reftextvario{ }{ }%
3008 \else
3009   on the \reftextvario{preceding}{previous} page%
3010 \fi
3011 }
3012 \def\reftextcurrent{%
3013 \if@RTL
3014
3015 \reftextvario{ }{ }%
3016 \else
3017   on \reftextvario{this}{the current} page%
3018 \fi
3019 }
3020 \def\reftextfaraway#1{%
3021 \if@RTL
3022 %
3023 ~\pageref{#1}%
3024 \else
3025   on page-\pageref{#1}%
3026 \fi
3027 }
3028 \def\reftextpagerange#1#2{%
3029 \if@RTL
3030 %
3031 ~\pageref{#1}--\pageref{#2}%
3032 \else
3033   on pages-\pageref{#1}--\pageref{#2}%
3034 \fi

```



```

3035 }
3036 \def\reftextlabelrange#1#2{%
3037   \if@RTL
3038     \ref{#1} %ref{#2}\~
3039   \else
3040     \ref{#1} to~\ref{#2}%
3041   \fi
3042 }

```

61 File xepersian.sty

```

3043 \NeedsTeXFormat{LaTeX2e}
3044 \def\xepersian@version{25.2.2}
3045 \def\xepersian@date{2025/02/02}
3046 \def\xepersian@releasename{Persian Gate}
3047 \def\xepersian@persian@releasename{  }
3048 \newcommand*\xepersianreleasename{\if@RTL\xepersian@persian@releasename\else\xepersian@releasename}
3049 \ProvidesPackage{xepersian}[\xepersian@date\space v\xepersian@version\space (Release \xepersianreleasename)]
3050 Persian typesetting in XeLaTeX
3051 \newif\if@xepersian@banner
3052 \newif\if@xepersian@computeautoilg
3053 \DeclareUnknownKeyHandler{%
3054   \PassOptionsToPackage{\CurrentOption}{bidi}%
3055 }
3056 \ExplSyntaxOn
3057 \msg_new:nnn {xepersian} {cannot-use-engine}
3058 {
3059   Oops!~can-not-use~\c_sys_engine_str.\\\
3060   The~xepersian~package~requires~XeTeX.
3061 }
3062 \sys_if_engine_xetex:F
3063 {
3064   \msg_fatal:nn {xepersian} {cannot-use-engine}
3065 }
3066
3067 \keys_define:nn { xepersian }
3068 {
3069   banner .choice: ,
3070   banner / on .code:n =
3071     \@xepersian@bannertrue
3072     \PassOptionsToPackage{banner=on}{bidi} ,
3073   banner / off .code:n =
3074     \@xepersian@bannerfalse
3075     \PassOptionsToPackage{banner=off}{bidi} ,
3076   banner .default:n = on
3077 }
3078 \keys_define:nn { xepersian }
3079 {
3080   mathdigits .choice: ,
3081   mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,
3082   mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
3083   mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
3084 }
3085 \keys_define:nn { xepersian }

```



```

3086 {
3087   inlinemathdigits .choice: ,
3088   inlinemathdigits / automatic .code:n = \AtEndOfPackage{\AutoInlineMathDigits} ,
3089   inlinemathdigits / default .code:n = \AtEndOfPackage{\DefaultInlineMathDigits} ,
3090   inlinemathdigits / persian .code:n = \AtEndOfPackage{\PersianInlineMathDigits}
3091 }
3092 \keys_define:nm { xepersian }
3093 {
3094   displaymathdigits .choice: ,
3095   displaymathdigits / automatic .code:n = \AtEndOfPackage{\AutoDisplayMathDigits} ,
3096   displaymathdigits / default .code:n = \AtEndOfPackage{\DefaultDisplayMathDigits} ,
3097   displaymathdigits / persian .code:n = \AtEndOfPackage{\PersianDisplayMathDigits}
3098 }
3099 \keys_define:nm { xepersian }
3100 {
3101   Kashida .choice: ,
3102   Kashida / on .code:n = \AtEndOfPackage{\input{kashida-xetex-xepersian.def}} ,
3103   Kashida / off .code:n = \relax ,
3104   Kashida .default:n = on
3105 }
3106 \keys_define:nm { xepersian }
3107 {
3108   localize .choice: ,
3109   localize / on .code:n = \AtEndOfPackage{\input{localize-xetex-xepersian.def}} ,
3110   localize / off .code:n = \relax ,
3111   localize .default:n = on
3112 }
3113 \cs_new_protected:Npn \__xepersian_quickindex_variant:n #1
3114 {
3115   \AtEndOfPackage{%
3116     \ifwritexviii
3117       \@ifclassloaded{memoir}{%
3118         \PackageError{xepersian}{%
3119           This~feature~does~not~yet~work~with~the~memoir~class~}{%
3120             }{%
3121               \renewcommand\printindex{\newpage%
3122                 \immediate\closeout\@indexfile
3123                 \immediate\write18{%
3124                   xindy~-L~persian-variant#1~-C~utf8~-M~texindy~-M~page-ranges~\jobname.idx}
3125                 \@input@{\jobname.ind}}%
3126             }
3127         \else
3128           \PackageError{xepersian}{%
3129             "shell-escape"~(or~"write18")~is~not~enabled.~You~need~to~run~"xelatex---shell-esc
3130           }
3131         \fi
3132       }
3133   \keys_define:nm { xepersian }
3134   {
3135     quickindex-variant .choice: ,
3136     quickindex-variant / one .code:n = \__xepersian_quickindex_variant:n { 1 } ,
3137     quickindex-variant / two .code:n = \__xepersian_quickindex_variant:n { 2 } ,
3138     quickindex-variant / three .code:n = \__xepersian_quickindex_variant:n { 3 }
3139   }

```




```

3140 \keys_define:nn { xepersian }
3141 {
3142   abjad-variant .choice: ,
3143   abjad-variant / one .code:n =
3144     \def\PersianAlphs{%
3145       \let\@alph\@abjad
3146       \let\@Alph\@abjad
3147     } ,
3148   abjad-variant / two .code:n =
3149     \def\PersianAlphs{%
3150       \let\@alph\@Abjad
3151       \let\@Alph\@Abjad
3152     }
3153 }
3154 \keys_define:nn { xepersian }
3155 {
3156   defaultlatinfontfeatures .code:n = \AtEndOfPackage{\defaultfontfeatures[\latinfont]{#1}}
3157 }
3158 \keys_define:nn { xepersian }
3159 {
3160   mathfontssize .code:n = \def\xepersian@@math@fontsize@scale{#1}
3161 }
3162 \keys_define:nn { xepersian }
3163 {
3164   fontssize .code:n = \def\xepersian@@fontsize@scale{#1}
3165 }
3166 \keys_define:nn { xepersian }
3167 {
3168   fontsize .code:n = \AtEndOfPackage{\xepersian@@fontsize@branch{#1}}
3169 }
3170 \keys_define:nn { xepersian }
3171 {
3172   latinfontssize .code:n = \def\xepersian@@latin@fontsize@scale{#1}
3173 }
3174 \keys_define:nn { xepersian }
3175 {
3176   baselineskip .code:n = \def\xepersian@@baselineskip@scale{#1}
3177 }
3178 \keys_define:nn { xepersian }
3179 {
3180   latinbaselineskip .code:n = \def\xepersian@@latin@baselineskip@scale{#1}
3181 }
3182 \keys_define:nn { xepersian }
3183 {
3184   computeautoilg .choice: ,
3185   computeautoilg / on .code:n = \@xepersian@@computeautoilgtrue ,
3186   computeautoilg / off .code:n = \@xepersian@@computeautoilgfalse ,
3187   computeautoilg .default:n = on
3188 }
3189 \keys_define:nn { xepersian }
3190 {
3191   debugtextdigitfont .choice: ,
3192   debugtextdigitfont / on .code:n = \AtEndOfPackage{%
3193     \bidi@AtEndPreamble{%

```



```

3194     \bidi@patchcmd\xepersian@start@switch@textdigitfont\xepersian@textdigitfont{%
3195         \addfontfeature{Color=C71585}
3196     }{}{}
3197     }
3198 } ,
3199 debugtextdigitfont / off .code:n = \relax ,
3200 debugtextdigitfont .default:n = on
3201 }
3202 \keys_set:nn { xepersian }
3203 {
3204     banner = on ,
3205     abjad-variant = two ,
3206     fontsizescale = \@ne ,
3207     latinfontsizescale = \@ne ,
3208     mathfontsizescale = \@ne ,
3209     baselineskip scale = \@ne ,
3210     latinbaselineskip scale = \@ne
3211 }
3212 \ExplSyntaxOff
3213 \ProcessKeyOptions
3214 \edef\xepersian@info{*****^^J%
3215 * ^^J%
3216 * xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
3217 * ^^J%
3218 * Description: The package supports Persian^^J%
3219 * typesetting, using fonts provided in the^^J%
3220 * distribution.^^J%
3221 * ^^J%
3222 * Copyright (c) 2008--2025 Vafa Khalighi^^J%
3223 * Copyright (c) 2018--2020 bidi-tex GitHub Organization^^J%
3224 * ^^J%
3225 * v\xepersian@version\space (Release \xepersian@releasename), \xepersian@date^^J%
3226 * ^^J%
3227 * License: LaTeX Project Public License, version^^J%
3228 * 1.3c or higher (your choice)^^J%
3229 * ^^J%
3230 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
3231 * ^^J%
3232 * Issue tracker: https://github.com/xepersian/xepersian/issues^^J%
3233 * ^^J%
3234 * Discussions: https://github.com/xepersian/xepersian/discussions^^J%
3235 * ^^J%
3236 * Primary author of xepersian package: Vafa Khalighi.^^J%
3237 * ^^J%
3238 *****}
3239 \edef\xepersian@everyjob{\the\everyjob}
3240 \if\xepersian@banner
3241     \typeout{\xepersian@info}
3242 \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
3243 \fi
3244 \RequirePackage{fontspec}
3245 \RequirePackage{xepersian-persiancal}
3246 \RequirePackage{unicode-persianmath}
3247 \RequirePackage[%

```



```

3248 documentdirection=righttoleft,%
3249 tabledirection=righttoleft,%
3250 script=nonlatin,%
3251 footnotedirection=righttoleft,%
3252 footnoterule=automatic%
3253 ]{bidi}
3254 \newcommand*{\xepersianversion}
3255   {\ensuremath\xepersian@version}
3256 \def\prq{«}
3257 \def\plq{»}
3258 \def\xepersian@cmds@temp#1{%
3259   \begingroup\expandafter\expandafter\expandafter\endgroup
3260   \expandafter\ifx\csname xepersian@#1\endcsname\relax
3261     \begingroup
3262       \escapechar=-1 %
3263       \edef\x{\expandafter\meaning\csname#1\endcsname}%
3264       \def\y{#1}%
3265       \def\z##1->{}%
3266       \edef\y{\expandafter\z\meaning\y}%
3267       \expandafter\endgroup
3268       \ifx\x\y
3269         \expandafter\def\csname xepersian@#1\expandafter\endcsname
3270         \expandafter{%
3271           \csname#1\endcsname
3272         }%
3273       \fi
3274     \fi
3275 }%
3276 \xepersian@cmds@temp{shellescape}
3277 \newif\ifwritexviii
3278 \ifnum\xepersian@shellescape=1\relax
3279   \writexviii>true
3280 \else
3281   \writexviii>false
3282 \fi
3283 \newfontscript{Persian}{arab}
3284 \newfontlanguage{Persian}{FAR}
3285 \ExplSyntaxOn
3286
3287 \keys_define:nm {fontspec-opentype}
3288   {
3289     Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
3290     Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3291     Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3292   }
3293
3294 \keys_define:nm {fontspec-aat}
3295   {
3296     Ligatures / PersianTeX .code:n =
3297     {
3298       \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3299     }
3300   }
3301

```



```

3302 \keys_define:nm {fontspec-opentype}
3303 {
3304   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
3305   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3306   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3307 }
3308
3309 \keys_define:nm {fontspec-aat}
3310 {
3311   Ligatures / PersianTeXNoNumbers .code:n =
3312   {
3313     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonumbers }
3314   }
3315 }
3316
3317 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
3318 {
3319   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3320   \ignorespaces
3321 }
3322 \cs_new:Nn \__xepersian_main_settextfont:nn
3323 {
3324   \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Ligat
3325   \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl
3326   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3327   {
3328     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3329     \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3330     \exp_not:N \selectfont
3331   }
3332 }
3333 \str_if_eq:eeT {\familydefault} {\rmdefault}
3334   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3335   \__xepersian_settextfont_hook:nn {#1} {#2}
3336   \normalfont
3337 }
3338
3339 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3340
3341 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
3342 {
3343   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3344   \ignorespaces
3345 }
3346 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3347 {
3348   \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3349   \use:x
3350   {
3351     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3352     {
3353       \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
3354       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3355       \exp_not:N \selectfont

```



```

3356     }
3357   }
3358   \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3359   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3360   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3361   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3362   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3363   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3364   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3365   \if@bidi@csundef{xepersian@dualjoiner}{}%
3366     \XeTeXinterchartoks \xepersian@dualjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3367     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@dualjoiner = {\xepersian@@stop@switch@textdigitfont}
3368     \XeTeXinterchartoks \xepersian@lam \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3369     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@lam = {\xepersian@@stop@switch@textdigitfont}
3370     \XeTeXinterchartoks \xepersian@alef \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3371     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@alef = {\xepersian@@stop@switch@textdigitfont}
3372     \XeTeXinterchartoks \xepersian@rightjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3373     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@rightjoiner = {\xepersian@@stop@switch@textdigitfont}
3374   }
3375 }
3376
3377 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin}
3378 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin}
3379
3380 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
3381
3382 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
3383 {
3384   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3385   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3386   \ignorespaces
3387 }
3388
3389
3390 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3391 {
3392   \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3393   \ignorespaces
3394 }
3395 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3396 {
3397   \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3398   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3399     {
3400       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3401       \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
3402       \exp_not:N \selectfont
3403     }
3404   }
3405   \str_if_eq:eeT {\familydefault} {\rmdefault}
3406     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3407   \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3408   \normalfont
3409 }

```



```

3410
3411 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3412
3413 \tl_set_eq:NN \setlatinsansfont \setsansfont
3414 \tl_set_eq:NN \setlatinmonofont \setmonofont
3415
3416 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3417 {
3418   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3419   \NewDocumentCommand
3420 }
3421 \DeclareDocumentCommand \redefpersianfont { m O{} m O{} }
3422 {
3423   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3424   \RenewDocumentCommand
3425 }
3426 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3427 {
3428   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=ar
3429   \use:x
3430   {
3431     \exp_not:N #4 \exp_not:N #1 {}
3432     {
3433       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3434       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3435       \exp_not:N \selectfont
3436     }
3437   }
3438 }
3439
3440 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3441 {
3442   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3443   \NewDocumentCommand
3444 }
3445 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3446 {
3447   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3448   \RenewDocumentCommand
3449 }
3450 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3451 {
3452   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3453   \use:x
3454   {
3455     \exp_not:N #4 \exp_not:N #1 {}
3456     {
3457       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3458       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3459       \exp_not:N \selectfont
3460     }
3461   }
3462 }
3463

```



```

3464 \newcommand\persiansfdefault{}
3465 \newcommand\persianttdefault{}
3466 \newcommand\iranicdefault{}
3467 \newcommand\navardefault{}
3468 \newcommand\pookdefault{}
3469 \newcommand\sayehdefault{}
3470 \DeclareRobustCommand\persiansffamily
3471     {\not@math@alphabet\persiansffamily\mathpersiansf
3472     \fontfamily\persiansfdefault\selectfont}
3473 \DeclareRobustCommand\persianttfamily
3474     {\not@math@alphabet\persianttfamily\mathpersiantt
3475     \fontfamily\persianttdefault\selectfont}
3476 \DeclareRobustCommand\iranicfamily
3477     {\not@math@alphabet\iranicfamily\mathiranic
3478     \fontfamily\iranicdefault\selectfont}
3479 \DeclareRobustCommand\navarfamil
3480     {\not@math@alphabet\navarfamil\mathnavar
3481     \fontfamily\navardefault\selectfont}
3482 \DeclareRobustCommand\pookfamily
3483     {\not@math@alphabet\pookfamily\mathpook
3484     \fontfamily\pookdefault\selectfont}
3485 \DeclareRobustCommand\sayehfamily
3486     {\not@math@alphabet\sayehfamily\mathsayeh
3487     \fontfamily\sayehdefault\selectfont}
3488 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3489 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3490 \DeclareTextFontCommand{\textiranic}{\iranicfamily}
3491 \DeclareTextFontCommand{\textnavar}{\navarfamil}
3492 \DeclareTextFontCommand{\textpook}{\pookfamily}
3493 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3494
3495 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3496 {
3497     \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3498     \ignorespaces
3499 }
3500 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3501 {
3502     \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab}},I
3503     \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
3504     \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3505     {
3506         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3507         \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
3508         \exp_not:N \selectfont
3509     }
3510 }
3511 \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3512     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3513 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3514 \normalfont
3515 }
3516
3517 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn

```



```

3518
3519 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3520 {
3521   \_xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3522   \ignorespaces
3523 }
3524 \cs_new:Nn \_xepersian_main_setpersianmonofont:nn
3525 {
3526   \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab},Ligatures={No}}
3527   \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
3528   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3529     {
3530       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3531       \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
3532       \exp_not:N \selectfont
3533     }
3534   }
3535   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3536     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3537   \_xepersian_setpersianmonofont_hook:nn {#1} {#2}
3538   \normalfont
3539 }
3540
3541 \cs_set_eq:NN \_xepersian_setpersianmonofont_hook:nn \use_none:nn
3542
3543 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3544 {
3545   \_xepersian_main_setnavarfont:nn {#1,#3} {#2}
3546   \ignorespaces
3547 }
3548 \cs_new:Nn \_xepersian_main_setnavarfont:nn
3549 {
3550   \fontspec_set_family:Nnn \l__fontspec_navarfamilly_family_tl {RawFeature={script=arab},Ligatures={No}}
3551   \tl_set_eq:NN \navardefault \l__fontspec_navarfamilly_family_tl
3552   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3553     {
3554       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3555       \exp_not:N \fontfamily { \l__fontspec_navarfamilly_family_tl }
3556       \exp_not:N \selectfont
3557     }
3558   }
3559   \str_if_eq:eeT {\familydefault} {\navardefault}
3560     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3561   \_xepersian_setnavarfont_hook:nn {#1} {#2}
3562   \normalfont
3563 }
3564
3565 \cs_set_eq:NN \_xepersian_setnavarfont_hook:nn \use_none:nn
3566
3567 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3568 {
3569   \_xepersian_main_setpookfont:nn {#1,#3} {#2}
3570   \ignorespaces
3571 }

```




```

3572 \cs_new:Nn \__xepersian_main_setpookfont:nn
3573 {
3574   \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligatu
3575   \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
3576   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3577   {
3578     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3579     \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
3580     \exp_not:N \selectfont
3581   }
3582 }
3583 \str_if_eq:eeT {\familydefault} {\pookdefault}
3584 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3585 \__xepersian_setpookfont_hook:nn {#1} {#2}
3586 \normalfont
3587 }
3588
3589 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3590
3591 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3592 {
3593   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3594   \ignorespaces
3595 }
3596 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3597 {
3598   \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Ligatu
3599   \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
3600   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3601   {
3602     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3603     \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
3604     \exp_not:N \selectfont
3605   }
3606 }
3607 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3608 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3609 \__xepersian_setsayehfont_hook:nn {#1} {#2}
3610 \normalfont
3611 }
3612
3613 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3614
3615 \DeclareDocumentCommand \setiranicfont { 0{} m 0{} }
3616 {
3617   \__xepersian_main_setiranicfont:nn {#1,#3} {#2}
3618   \ignorespaces
3619 }
3620 \cs_new:Nn \__xepersian_main_setiranicfont:nn
3621 {
3622   \fontspec_set_family:Nnn \l__fontspec_iranifamily_family_tl {RawFeature={script=arab},Ligatu
3623   \tl_set_eq:NN \iranifdefault \l__fontspec_iranifamily_family_tl
3624   \use:x { \exp_not:n { \DeclareRobustCommand \iranifamily }
3625   {

```



```

3626 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3627 \exp_not:N \fontfamily { \l__fontspec_iranifamily_family_tl }
3628 \exp_not:N \selectfont
3629 }
3630 }
3631 \str_if_eq:eeT {\familydefault} {\iranicdefault}
3632 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3633 \__xepersian_setiranifont_hook:nn {#1} {#2}
3634 \normalfont
3635 }
3636
3637 \cs_set_eq:NN \__xepersian_setiranifont_hook:nn \use_none:nn
3638
3639 \ExplSyntaxOff
3640 \def\resetlatinfont{%
3641 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3642 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3643 \def\xepersian@@fontsize@scale{%
3644 \strip@pt\dimexpr 1pt * \dimexpr
3645 \xepersian@@latin@fontsize@scale pt\relax
3646 / \dimexpr \xepersian@@fontsize@scale pt\relax\relax
3647 }%
3648 \def\xepersian@@baselineskip@scale{%
3649 \strip@pt\dimexpr 1pt * \dimexpr
3650 \xepersian@@latin@baselineskip@scale pt\relax
3651 / \dimexpr \xepersian@@baselineskip@scale pt\relax\relax
3652 }%
3653 \@nonlatinfalse%
3654 \let\normalfont\latinfont%
3655 \let\reset@font\normalfont%
3656 \latinfont%
3657 \fontsize\fontsize\font@baselineskip%
3658 \selectfont%
3659 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3660 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3661 }
3662 \def\setpersianfont{%
3663 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3664 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3665 \let\xepersian@@fontsize@scale\@ne%
3666 \let\xepersian@@baselineskip@scale\@ne%
3667 \@nonlatintrue%
3668 \let\normalfont\persianfont%
3669 \let\reset@font\normalfont%
3670 \persianfont%
3671 \fontsize\fontsize\font@baselineskip%
3672 \selectfont%
3673 \let\xepersian@@fontsize@scale\@xepersian@@fontsize@scale%
3674 \let\xepersian@@baselineskip@scale\@xepersian@@baselineskip@scale%
3675 }
3676 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3677 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3678 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3679 \def\endlatin{\endLTR}

```



```

3680 \newenvironment{latin*}{\latin
3681   \everypar{%
3682     {\setbox\z@\lastbox
3683       \ifvoid\z@
3684         \kern-\parindent
3685       \fi}%
3686   }%
3687 }{\endlatin\@endpetrue}
3688 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3689 \def\endpersian{\endRTL}
3690 \newenvironment{persian*}{\persian
3691   \everypar{%
3692     {\setbox\z@\lastbox
3693       \ifvoid\z@
3694         \kern-\parindent
3695       \fi}%
3696   }%
3697 }{\endpersian\@endpetrue}
3698 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LATINITEMS}}
3699 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{PERSIANITEMS}}
3700 \let\originaltoday=\today
3701 \def\latintoday{\lr{\originaltoday}}
3702 \def\today{\rl{\persiantoday}}
3703 \def \@LTRmarginparreset {%
3704   \reset@font
3705   \resetlatinfont
3706   \normalsize
3707   \@minipagetrue
3708   \everypar{\@minipagefalse\everypar{} \beginL}%
3709 }
3710 \DeclareRobustCommand\Latincite{%
3711   \@ifnextchar [{\@tempwatrue\@Latincitex}]{\@tempwafalse\@Latincitex []}}
3712 \def\@Latincitex[#1]#2{\leavevmode
3713   \let\@citea\@empty
3714   \@cite{\lr{\@for\@citeb:=#2\do
3715     {\@citea\def\@citea{\penalty\@m }%
3716       \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3717     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3718     \ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3719     \@refundefinedtrue
3720     \@latex@warning
3721       {Citation `@\@citeb' on page \thepage \space undefined}}%
3722     {\@citeofmt{\csname b@\@citeb\endcsname}}}}{#1}}
3723
3724 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3725
3726 \newcount\xepersian@tcl
3727 \newdimen\xepersian@ilg
3728 \newdimen\xepersian@strutilg
3729 \chardef\f@ur=4
3730 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3731   \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3732   \loop
3733   \iffontchar\font\xepersian@tcl

```



```

3734 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
3735 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3736 \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3737 \fi
3738 \else
3739 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3740 \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3741 \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3742 \fi
3743 \fi
3744 \fi
3745 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3746 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3747 \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3748 \fi
3749 \else
3750 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3751 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3752 \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3753 \fi
3754 \fi
3755 \fi
3756 \fi
3757 \advance\xepersian@tcl\@ne
3758 \ifnum\xepersian@tcl<1792\repeat
3759 \advance\xepersian@strutilg\xepersian@ilg
3760 % \ifdim\xepersian@strutilg>\baselineskip
3761 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3762 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3763 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3764 % \selectfont
3765 % \fi
3766 }
3767
3768 \newif\if@@textdigitfont@on
3769
3770 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3771 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3772
3773 \TextDigitFontOn
3774
3775 \newcommand*\xepersian@setlength[4]{%
3776 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3777 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3778 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3779 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3780 \else
3781 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3782 \fi
3783 \else
3784 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3785 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3786 \else
3787 \setlength{#1}{\p@ \@plus#3 \@minus#4}%

```



```

3788     \fi
3789     \fi
3790   \else
3791     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3792     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3793     \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3794   \else
3795     \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3796   \fi
3797   \else
3798     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3799     \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3800   \else
3801     \setlength{#1}{#2 \@plus#3 \@minus#4}%
3802   \fi
3803   \fi
3804 \fi
3805 }
3806
3807 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3808   \@defaultunits\@tempdima#2pt\relax\@nnil
3809   \setlength{\@tempdimc}{\@tempdima}%
3810   \addtolength{\@tempdimc}{-10\p@}%
3811   \edef\@ptsize{\strip@pt\@tempdimc}%
3812   \@defaultunits\@tempdimb#1pt\relax\@nnil
3813   \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3814   \edef\@tempb{\the\@tempdimc}%
3815   \setlength{\@tempdimc}{\@tempdima}%
3816   \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3817   \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3818   \xepersian@setlength{\abovedisplayskip}%
3819     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3820   \xepersian@setlength{\abovedisplayskip}{\z@}{.25\@tempdimb}{\z@}%
3821   \xepersian@setlength{\belowdisplayskip}%
3822     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3823   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3824   \edef\normalsize{%
3825     \noexpand\@setfontsize\noexpand\normalsize
3826     {\the\@tempdima}{\the\@tempdimb}%
3827     \abovedisplayskip \the\abovedisplayskip
3828     \abovedisplayskip \the\abovedisplayskip
3829     \belowdisplayskip \the\belowdisplayskip
3830     \belowdisplayskip \the\belowdisplayskip
3831     \let\noexpand\@listi\noexpand\@listI
3832   }%
3833   \setlength{\@tempdima}{0.9125\@tempdimc}%
3834   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3835   \xepersian@setlength{\abovedisplayskip}%
3836     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3837   \xepersian@setlength{\abovedisplayskip}{\z@}{.25\@tempdimb}{\z@}%
3838   \xepersian@setlength{\belowdisplayskip}%
3839     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3840   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3841   \edef\small{%

```



```

3842 \noexpand\@setfontsize\noexpand\small
3843 {\the\@tempdima}{\the\@tempdimb}%
3844 \abovedisplayskip \the\abovedisplayskip
3845 \abovedisplaysshortskip \the\abovedisplaysshortskip
3846 \belowdisplayskip \the\belowdisplayskip
3847 \belowdisplaysshortskip \the\belowdisplaysshortskip
3848 \let\noexpand\@listi\noexpand\@listi@small
3849 }%
3850 \setlength{\@tempdima}{.83334\@tempdimc}%
3851 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3852 \xepersian@setlength{\abovedisplayskip}%
3853     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3854 \xepersian@setlength{\abovedisplaysshortskip}{\z@}{.25\@tempdimb}{\z@}%
3855 \xepersian@setlength{\belowdisplaysshortskip}%
3856     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3857 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3858 \edef\footnotesize{%
3859 \noexpand\@setfontsize\noexpand\footnotesize
3860 {\the\@tempdima}{\the\@tempdimb}%
3861 \abovedisplayskip \the\abovedisplayskip
3862 \abovedisplaysshortskip \the\abovedisplaysshortskip
3863 \belowdisplayskip \the\belowdisplayskip
3864 \belowdisplaysshortskip \the\belowdisplaysshortskip
3865 \let\noexpand\@listi\noexpand\@listi@footnotesize
3866 }%
3867 \setlength{\@tempdima}{.66667\@tempdimc}%
3868 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3869 \edef\scriptsize{%
3870 \noexpand\@setfontsize\noexpand\scriptsize
3871 {\the\@tempdima}{\the\@tempdimb}%
3872 }%
3873 \setlength{\@tempdima}{.5\@tempdimc}%
3874 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3875 \edef\tiny{%
3876 \noexpand\@setfontsize\noexpand\tiny
3877 {\the\@tempdima}{\the\@tempdimb}%
3878 }%
3879 \setlength{\@tempdima}{1.2\@tempdimc}%
3880 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3881 \edef\large{%
3882 \noexpand\@setfontsize\noexpand\large
3883 {\the\@tempdima}{\the\@tempdimb}%
3884 }%
3885 \setlength{\@tempdima}{1.44\@tempdimc}%
3886 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3887 \edef\Large{%
3888 \noexpand\@setfontsize\noexpand\Large
3889 {\the\@tempdima}{\the\@tempdimb}%
3890 }%
3891 \setlength{\@tempdima}{1.728\@tempdimc}%
3892 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3893 \edef\LARGE{%
3894 \noexpand\@setfontsize\noexpand\LARGE
3895 {\the\@tempdima}{\the\@tempdimb}%

```



```

3896 }%
3897 \setlength{\@tempdima}{2.074\@tempdimc}%
3898 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3899 \edef\huge{%
3900   \noexpand\@setfontsize\noexpand\huge
3901   {\the\@tempdima}{\the\@tempdimb}%
3902 }%
3903 \setlength{\@tempdima}{2.488\@tempdimc}%
3904 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3905 \edef\Huge{%
3906   \noexpand\@setfontsize\noexpand\Huge
3907   {\the\@tempdima}{\the\@tempdimb}%
3908 }%
3909 \normalsize
3910 \setlength{\@tempdimb}{\f@baselineskip}%
3911 \xepersian@setlength{\parsep}%
3912   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3913 \xepersian@setlength{\topsep}%
3914   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3915 \@tempswafalse
3916 \begingroup
3917   \def\@list@extra{\aftergroup\@tempwattrue}%
3918   \csname @listi\endcsname
3919 \endgroup
3920 \edef\@listi{\leftmargin\leftmarginI
3921   \topsep \the\topsep
3922   \parsep \the\parsep
3923   \itemsep \parsep
3924   \if@tempswa\noexpand\@list@extra\fi
3925 }%
3926 \let\@listI\@listi
3927 \xepersian@setlength{\parsep}%
3928   {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3929 \xepersian@setlength{\topsep}%
3930   {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3931 \@tempswafalse
3932 \begingroup
3933   \def\@list@extra{\aftergroup\@tempwattrue}%
3934   \csname @listi\endcsname
3935 \endgroup
3936 \edef\@listi@small{\leftmargin\leftmarginI
3937   \topsep \the\topsep
3938   \parsep \the\parsep
3939   \itemsep \parsep
3940   \if@tempswa\noexpand\@list@extra\fi
3941 }%
3942 \xepersian@setlength{\parsep}%
3943   {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3944 \xepersian@setlength{\topsep}%
3945   {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3946 \@tempswafalse
3947 \begingroup
3948   \def\@list@extra{\aftergroup\@tempwattrue}%
3949   \csname @listi\endcsname

```



```

3950 \endgroup
3951 \edef\@listi@footnotesize{\leftmargin\leftmargini
3952 \topsep \the\topsep
3953 \parsep \the\parsep
3954 \itemsep \parsep
3955 \if@tempswa\noexpand\@list@extra\fi
3956 }%
3957 \xepersian@setlength{\parsep}%
3958     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3959 \xepersian@setlength{\topsep}%
3960     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3961 \@tempswafalse
3962 \begingroup
3963 \def\@listi@extra{\aftergroup\@tempswatrue}%
3964 \csname @listii\endcsname
3965 \endgroup
3966 \edef\@listii{\leftmargin\leftmarginii
3967 \labelwidth=\dimexpr \leftmargin-\labelsep
3968 \topsep \the\topsep
3969 \parsep \the\parsep
3970 \itemsep \parsep
3971 \if@tempswa\noexpand\@list@extra\fi
3972 }%
3973 \xepersian@setlength{\topsep}%
3974     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3975 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3976 \@tempswafalse
3977 \begingroup
3978 \def\@listi@extra{\aftergroup\@tempswatrue}%
3979 \csname @listiii\endcsname
3980 \endgroup
3981 \edef\@listiii{\leftmargin\leftmarginiii
3982 \labelwidth=\dimexpr \leftmargin-\labelsep
3983 \topsep \the\topsep
3984 \parsep \z@
3985 \partopsep \the\partopsep
3986 \itemsep \topsep
3987 \if@tempswa\noexpand\@list@extra\fi
3988 }%
3989 \@tempswafalse
3990 \begingroup
3991 \def\@listi@extra{\aftergroup\@tempswatrue}%
3992 \csname @listiv\endcsname
3993 \endgroup
3994 \edef\@listiv{\leftmargin\leftmarginiv
3995 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3996 \if@tempswa\noexpand\@list@extra\fi
3997 }%
3998 \@tempswafalse
3999 \begingroup
4000 \def\@listi@extra{\aftergroup\@tempswatrue}%
4001 \csname @listv\endcsname
4002 \endgroup
4003 \edef\@listv{\leftmargin\leftmarginv

```




```

4004 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
4005 \if@tempswa\noexpand\@list@extra\fi
4006 }%
4007 \@tempswafalse
4008 \begingroup
4009 \def\@list@extra{\aftergroup\@tempwatruetrue}%
4010 \csname @listvi\endcsname
4011 \endgroup
4012 \edef\@listvi{\leftmargin\leftmarginvi
4013 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
4014 \if@tempswa\noexpand\@list@extra\fi
4015 }%
4016 \@listi
4017 \setlength{\@tempdimb}{\f@baselineskip}%
4018 \setlength{\footnotesep}{.555\@tempdimb}%
4019 \xepersian@setlength{\skip\footins}%
4020 { .75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
4021 \xepersian@setlength{\floatsep}%
4022 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
4023 \xepersian@setlength{\textfloatsep}%
4024 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
4025 \setlength{\intextsep}{\floatsep}%
4026 \setlength{\dblfloatsep}{\floatsep}%
4027 \setlength{\dbltextfloatsep}{\textfloatsep}%
4028 \setlength{\@fptop}{\z@ \@plus 1fil}%
4029 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
4030 \setlength{\@fpbot}{\@fptop}%
4031 \setlength{\@dblfpsep}{\@fpsep}%
4032 \setlength{\@dblfpbot}{\@fpsep}%
4033 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
4034 }
4035 }
4036
4037 \renewcommand*{\@bidi@logo@}{%
4038 \@bidi@logo@hb@xt@columnwidth
4039 {\hss\bfseries
4040 {\today} {\TypesetTime}
4041 \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
4042
4043 \renewcommand*{\@bidi@pdfcreator}{%
4044 The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepersian@version\space
4045 }
4046
4047 \newcommand*{\@xepersian@pdfcustomproperties}{%
4048 This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releasename), \xepersian@version\space
4049 Released February 2, 2025.
4050 }
4051
4052 \newcommand\twocolumnstableofcontents{%
4053 \if@bidi@csundef{multi@column@out}{%
4054 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
4055 \begin{multicols}{2}[\section*{\contentsname}]}%
4056 \small
4057 \starttoc{toc}%

```



```

4058 \end{multicols}}
4059 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X}\lower.5ex
4060 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}
4061 \AtBeginDocument{%
4062 \def\figurename{\if@RTL else\ Figure\fi}%
4063 \def\tablename{\if@RTL else\ Table\fi}%
4064 \def\contentsname{\if@RTL else\ Contents\fi}%
4065 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
4066 \def\listtablename{\if@RTL else\ List of Tables\fi}%
4067 \def\appendixname{\if@RTL else\ Appendix\fi}%
4068 \def\indexname{\if@RTL else\ Index\fi}%
4069 \def\refname{\if@RTL else\ References\fi}%
4070 \def\abstractname{\if@RTL else\ Abstract\fi}%
4071 \def\partname{\if@RTL else\ Part\fi}%
4072 \def\datename{\if@RTL else\ Date:\fi}%
4073 \def\@and{\if@RTL else\ and\fi}%
4074 \def\bibName{\if@RTL else\ Bibliography\fi}%
4075 \def\chaptername{\if@RTL else\ Chapter\fi}%
4076 \def\ccname{\if@RTL else\ cc\fi}%
4077 \def\enclname{\if@RTL else\ encl\fi}%
4078 \def\pagename{\if@RTL else\ Page\fi}%
4079 \def\headtoname{\if@RTL else\ To\fi}%
4080 \def\proofname{\if@RTL else\ Proof\fi}%
4081 }
4082 \def\@Abjad#1{%
4083 \ifcase#1\or or\ or\ or\ or\ %
4084 \or or\ or\ or\ or\ or\ %
4085 \or or\ or\ or\ or\ or\ %
4086 \or or\ or\ or\ or\ %
4087 \or or\ or\ or\ or\ or\ %
4088 \or or\ or\ or\ or\ or\ %
4089 \else\@ctrerr\fi}
4090 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
4091 \let\Abjadnumeral\@Abjad
4092 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\ or\
4093 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
4094 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
4095 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
4096 \let\harfinumeral\@harfi
4097 \newcommand{\adadi}[1]{%
4098 \expandafter\@adadi\csname c@#1\endcsname%
4099 }
4100 \newcommand{\@adadi}[1]{%
4101 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}
4102 }
4103 \let\adadinumeral\@adadi%
4104 \def\xepersian@numberoutrange#1#2{%
4105 \PackageError{xepersian}{The number `#1' is too large %
4106 to be formatted using xepersian}{The largest possible %
4107 number is 999,999,999.}%
4108 }
4109 \def\xepersian@numberstring#1#2#3#4{%
4110 \ifnum\number#1<\@ne%
4111 #3%

```



```

4112 \else\ifnum\number#1<1000000000 %
4113 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
4114 \else%
4115 \xepersian@numberoutofrange{#1}{#4}%
4116 \fi\fi%
4117 }
4118 \def\xepersian@adadi#1#2{%
4119 \expandafter\xepersian@@adadi%
4120 \ifcase%
4121 \ifnum#1<10 1%
4122 \else\ifnum#1<100 2%
4123 \else\ifnum#1<\@m 3%
4124 \else\ifnum#1<\@M 4%
4125 \else\ifnum#1<100000 5%
4126 \else\ifnum#1<1000000 6%
4127 \else\ifnum#1<10000000 7%
4128 \else\ifnum#1<100000000 8%
4129 \else9%
4130 \fi\fi\fi\fi\fi\fi\fi\fi %
4131 \or0000000#1% case 1: Add 8 leading zeros
4132 \or0000000#1% case 2: Add 7 leading zeros
4133 \or000000#1% case 3: Add 6 leading zeros
4134 \or00000#1% case 4: Add 5 leading zeros
4135 \or0000#1% case 5: Add 4 leading zeros
4136 \or000#1% case 6: Add 3 leading zeros
4137 \or00#1% case 7: Add 2 leading zeros
4138 \or0#1% case 8: Add 1 leading zero
4139 \or#1% case 9: Add no leading zeros
4140 \or%
4141 \@nil#2%
4142 \fi%
4143 }
4144 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
4145 \ifnum#1#2#3>\z@
4146 \xepersian@milyoongan#1#2#3%
4147 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4148 \fi%
4149 \ifnum#4#5#6>\z@%
4150 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4151 \ifnum#4#5#6>\@ne\fi%
4152 %
4153 \ifnum#7>\z@\ \fi%
4154 \fi%
4155 \xepersian@sadgan#7{#4#5#6}1#9%
4156 }
4157 \def\xepersian@milyoongan#1#2#3{%
4158 \ifnum#1#2#3=\@ne%
4159 \xepersian@sadgan#1#2#301\xepersian@yekaniii%
4160 %
4161 %
4162 \else%
4163 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4164 %
4165 %

```



```

4166 \fi%
4167 }
4168 \def\xepersian@sadgan#1#2#3#4#5#6{%
4169 \ifnum#1>\z0%
4170 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4171 %
4172 \ifnum#2#3>\z@\ \fi%
4173 \fi%
4174 \ifnum#2#3<20%
4175 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
4176 \else%
4177 \xepersian@dahgan#2%
4178 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
4179 #60%
4180 \fi%
4181 }
4182 \def\xepersian@yekani#1{%
4183 \ifcase#1@\empty\or or\ or\ or\ or\ or\ %
4184 \or or\ or\ or\ or\ or\ or\ %
4185 \or or\ or\ or\ %
4186 \or or\ %fi\
4187 }
4188 \def\xepersian@yekanii#1{%
4189 \ifcase#1@\empty\or %else\xepersian@yekani{#1}\fi\
4190 }
4191 \def\xepersian@yekanii#1{%
4192 \ifcase#1@\empty\or %else\xepersian@yekani{#1}\fi\
4193 }
4194 \def\xepersian@yekaniv#1{%
4195 \ifcase#1@\empty\or\or or\ or\ or\ or\ %
4196 \or or\ or\ %fi\
4197 }
4198 \def\xepersian@dahgan#1{%
4199 \ifcase#1\or\or or\ or\ %
4200 \or or\ or\ or\ %
4201 \or %fi\
4202 }
4203 \newcommand{\tartibi}[1]{%
4204 \expandafter\@tartibi\csname c@#1\endcsname%
4205 }
4206 \newcommand{\@tartibi}[1]{%
4207 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
4208 }
4209 \let\tartibinumeral\@tartibi%
4210 \def\xepersian@numberstring@tartibi#1#2#3#4{%
4211 \ifnum\number#1<\@ne%
4212 #3%
4213 \else\ifnum\number#1<1000000000 %
4214 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
4215 \else%
4216 \xepersian@numberoutofrange{#1}{#4}%
4217 \fi\fi%
4218 }
4219 \def\xepersian@adadi@tartibi#1#2{%

```



```

4220 \expandafter\xepersian@@adadi@tartibi%
4221 \ifcase%
4222 \ifnum#1<10 1%
4223 \else\ifnum#1<100 2%
4224 \else\ifnum#1<\@m 3%
4225 \else\ifnum#1<\@M 4%
4226 \else\ifnum#1<100000 5%
4227 \else\ifnum#1<1000000 6%
4228 \else\ifnum#1<10000000 7%
4229 \else\ifnum#1<100000000 8%
4230 \else9%
4231 \fi\fi\fi\fi\fi\fi\fi\fi %
4232 \or0000000#1% case 1: Add 8 leading zeros
4233 \or0000000#1% case 2: Add 7 leading zeros
4234 \or000000#1% case 3: Add 6 leading zeros
4235 \or00000#1% case 4: Add 5 leading zeros
4236 \or0000#1% case 5: Add 4 leading zeros
4237 \or000#1% case 6: Add 3 leading zeros
4238 \or00#1% case 7: Add 2 leading zeros
4239 \or0#1% case 8: Add 1 leading zero
4240 \or#1% case 9: Add no leading zeros
4241 \or%
4242 \@nil#2%
4243 \fi%
4244 }
4245 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
4246 \ifnum#1#2#3>\z@
4247 \xepersian@milyoongan@tartibi#1#2#3%
4248 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4249 \fi%
4250 \ifnum#4#5#6>\z@%
4251 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4252 \ifnum#4#5#6>\@ne \fi%
4253 %
4254 \ifnum#7>\z@\ \fi%
4255 \fi%
4256 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4257 }
4258 \def\xepersian@milyoongan@tartibi#1#2#3{%
4259 \ifnum#1#2#3=\@ne%
4260 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
4261 %
4262 %
4263 \else%
4264 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4265 %
4266 %
4267 \fi%
4268 }
4269 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4270 \ifnum#1>\z@%
4271 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4272 %
4273 \ifnum#2#3>\z@\ \fi%

```



```

4274 \fi%
4275 \ifnum#2#3<20%
4276 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
4277 \else%
4278 \ifnum#2#3=30%
4279 \xepersian@dahgan@tartibi#2%
4280 \else%
4281 \xepersian@dahgan#2%
4282 \fi%
4283 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
4284 #60%
4285 \fi%
4286 }
4287 \def\xepersian@dahgan@tartibi#1{%
4288 \ifcase#1\or\or or\ or\ %
4289 \or or\ or\ or\ %
4290 \or %fi\
4291 }
4292 \def\xepersian@tartibi#1{%
4293 \ifcase#1 \or or\ or\ or\ %
4294 \or or\ or\ or\ or\ %
4295 \or or\ or\ or\ %
4296 \or or\ or\ %
4297 \or or\ or\ %fi\
4298 }
4299 \def\xepersian@yekanv#1{%
4300 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
4301 \or or\ or\ or\ or\ or\ or\ %
4302 \or or\ or\ or\ %
4303 \or or\ %fi\
4304 }
4305 \providecommand*\xpg@warning}[1]{%
4306 \PackageWarning{XePersian}%
4307 {#1}}
4308 \if@bidi@csundef{@abjad}{%
4309 \def@abjad#1{%
4310 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4311 \else
4312 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4313 \else
4314 \ifnum#1<10\expandafter\abj@num@i\number#1%
4315 \else
4316 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4317 \else
4318 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
4319 \else
4320 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4321 \fi
4322 \fi
4323 \fi
4324 \fi
4325 \fi
4326 \fi
4327 }

```



```

4328 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4329 \let\abjadnumeral\@abjad
4330 \def\abjad@zero{}
4331 \def\abj@num@i#1{%
4332   \ifcase#1\or or\ or\ or\ %
4333     \or or\ or\ or\ or\ fi\
4334   \ifnum#1=\z@\abjad@zero\fi}
4335 \def\abj@num@ii#1{%
4336   \ifcase#1\or or\ or\ or\ or\ %
4337     \or or\ or\ or\ fi\
4338   \ifnum#1=\z@\fi\abj@num@i}
4339 \def\abj@num@iii#1{%
4340   \ifcase#1\or or\ or\ or\ or\ %
4341     \or or\ or\ or\ fi\
4342   \ifnum#1=\z@\fi\abj@num@ii}
4343 \def\abj@num@iv#1{%
4344   \ifcase#1\or fi\
4345   \ifnum#1=\z@\fi\abj@num@iii}
4346 }{}
4347 \let\@latinalph\@alph%
4348 \let\@latinAlph\@Alph%
4349 \def\LatinAlphs{%
4350   \let\@alph\@latinalph%
4351   \let\@Alph\@latinAlph%
4352 }
4353 \def\thempfootnote{\itshape\@latinalph\c@mpfootnote}
4354 \renewcommand*\@bidi@thebibliography@font@hook{%
4355   \ifLTRbibitems
4356     \resetlatinfont
4357   \fi}
4358 \bidi@AfterEndPreamble{%
4359   \if@bidi@csundef{persianfont}{%
4360     \PackageError{xepersian}{You have not specified any font\MessageBreak
4361     for the main Persian text}{Use `settextfont' to load a font.}%
4362   }{}}
4363
4364 \ApplyPatchToFiles{%
4365   footnote-xetex-bidi, %
4366   extrafootnotefeatures-xetex-bidi %
4367 }[def][xepersian]
4368
4369 \ApplyPatchToClasses{%
4370   article, %
4371   amsart, %
4372   amsbook, %
4373   artikel1, %
4374   artikel2, %
4375   artikel3, %
4376   beamer, %
4377   bidimoderncv, %
4378   boek, %
4379   boek3, %
4380   book, %
4381   boekest, %

```



```

4382 extbook, %
4383 extarticle, %
4384 extreport, %
4385 imsproc, %
4386 memoir, %
4387 rapport1, %
4388 rapport3, %
4389 refrep, %
4390 report, %
4391 scrartcl, %
4392 scrbook, %
4393 scrreprt %
4394 }[xepersian]
4395
4396 \ApplyPatchToPackages{%
4397   algorithm, %
4398   algorithmic, %
4399   appendix, %
4400   backref, %
4401   beamerbasetranslator, %
4402   bidentesidenote, %
4403   breqn, %
4404   enumerate, %
4405   enumitem, %
4406   fancyref, %
4407   framed, %
4408   glossaries, %
4409   hyperref, %
4410   listings, %
4411   minitoc, %
4412   natbib, %
4413   soul, %
4414   tkz-linknodes, %
4415   tocloft, %
4416   url, %
4417   varioref %
4418 }[xepersian]
4419
4420 \newtoks\xepersian@toks
4421 \def\xepersian@tempa#1{%
4422 \long\def\xepersian@@sp@def##1##2{%
4423 \futurelet\xepersian@resa\xepersian@@sp@d##2\@nil\@nil#1\@nil\relax##1}%
4424 \long\def\xepersian@@sp@d{%
4425 \ifx\xepersian@resa\@sptoken
4426 \expandafter\xepersian@@sp@b
4427 \else
4428 \expandafter\xepersian@@sp@b\expandafter#1%
4429 \fi}%
4430 \long\def\xepersian@@sp@b#1##1 \@nil{\xepersian@@sp@c##1}%
4431 }
4432 \xepersian@tempa{ }
4433 \long\def\xepersian@@sp@c#1\@nil#2\relax#3{\xepersian@toks{#1}\edef#3{\the\xepersian@toks}}
4434 \def\xepersian@@fontsize@branch#1{%
4435 \@tempcnta\z@

```




```

4436 \@for\xepersian@tmp=#1\do{%
4437   \xepersian@sp@def\xepersian@frag{\xepersian@tmp}%
4438   \ifcase\@tempcnta\relax% cnta == 0
4439     \edef\xepersian@value{\xepersian@frag}%
4440     \setfontsize{\xepersian@frag}%
4441   \or% cnta == 1
4442     \setfontsize[\xepersian@frag]{\xepersian@value}%
4443   \else\fi
4444   \advance\@tempcnta\@ne}%
4445 }
4446
4447 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4448   \@tempdimb\xepersian@@@fontsize@scale\dimexpr#2pt\relax
4449 }{}{}
4450
4451 \bidi@patchcmd{\set@fontsize}{\@tempskipa#3pt}{%
4452   \@tempskipa\xepersian@@@baselineskip@scale\dimexpr#3pt\relax
4453 }{}{}
4454
4455
4456 \newcommand*\xepersian@@@update@math@fontsize[1]{%
4457   \strip@pt\dimexpr\xepersian@@@math@fontsize@scale
4458   \dimexpr 1pt * \dimexpr #1 pt\relax /
4459   \dimexpr \xepersian@@@fontsize@scale pt\relax
4460   \relax\relax
4461 }
4462
4463 \bidi@patchcmd{\getanddefine@fonts}{%
4464   \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4465 }{%
4466   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\tf@size\endcsname}%
4467 }{}{}
4468
4469 \bidi@patchcmd{\getanddefine@fonts}{%
4470   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4471 }{%
4472   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\sf@size\endcsname}%
4473 }{}{}
4474
4475 \bidi@patchcmd{\getanddefine@fonts}{%
4476   \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4477 }{%
4478   \xdef\font@name{\csname \string#2/\xepersian@@@update@math@fontsize\ssf@size\endcsname}%
4479 }{}{}
4480
4481
4482 \if\xepersian@@@computeautoilg
4483 \bidi@patchcmd{\set@fontsize}{%
4484   \baselineskip\f@baselineskip\relax
4485 }{%
4486   \baselineskip\f@baselineskip\relax
4487   \xepersian@@@computeautoilg
4488   \ifdim\xepersian@strutilg>\baselineskip
4489     \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}

```



```

4490 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4491 \baselineskip\xepersian@strutilg
4492 \ifdim\footnotesep=.7\baselineskip
4493 \else
4494 \footnotesep.7\baselineskip
4495 \fi
4496 \fi
4497 }{}{}
4498 \fi
4499
4500 \AtEndOfPackage{%
4501 \setlatintextfont [%
4502 Path,%
4503 BoldFont={lmroman10-bold},%
4504 BoldItalicFont={lmroman10-bolditalic},%
4505 ItalicFont={lmroman10-italic},%
4506 SmallCapsFont={lmromancaps10-regular},%
4507 SlantedFont={lmromanslant10-regular},%
4508 BoldSlantedFont={lmromanslant10-bold}%
4509 ]{lmroman10-regular}
4510 }
4511 \PersianAlphs

```

62 File xepersian-magazine.cls

```

4512 \NeedsTeXFormat{LaTeX2e}
4513 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4514 \RequirePackage{ifthen}
4515 \newlength{\xepersian@imgsize}
4516 \newlength{\xepersian@coltitsize}
4517 \newlength{\xepersian@pageneed}
4518 \newlength{\xepersian@pageleft}
4519 \newlength{\xepersian@indexwidth}
4520 \newcommand{\xepersian@ncolumns}{0}
4521 \newlength{\columnlines}
4522 \setlength{\columnlines}{0 pt} % no lines by default
4523 \newboolean{xepersian@hyphenatedtitles}
4524 \setboolean{xepersian@hyphenatedtitles}{true}
4525 \newboolean{xepersian@ninepoints}
4526 \setboolean{xepersian@ninepoints}{false}
4527 \newboolean{xepersian@showgrid}
4528 \setboolean{xepersian@showgrid}{false}
4529 \newboolean{xepersian@a3paper}
4530 \setboolean{xepersian@a3paper}{false}
4531 \newboolean{xepersian@insidefrontpage}
4532 \setboolean{xepersian@insidefrontpage}{false}
4533 \newboolean{xepersian@insideweather}
4534 \setboolean{xepersian@insideweather}{false}
4535 \newboolean{xepersian@insideindex}
4536 \setboolean{xepersian@insideindex}{false}
4537 \newcount\xepersian@gridrows
4538 \newcount\xepersian@gridcolumns
4539 \xepersian@gridrows=40
4540 \xepersian@gridcolumns=50

```



```

4541 \newcount\minraggedcols
4542 \minraggedcols=5
4543 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4544 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4545 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4546 \DeclareOption{twocolumn}%
4547 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4548 \DeclareOption{notitlepage}%
4549 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4550 \DeclareOption{twoside}%
4551 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4552 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4553 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4554 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4555 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4556 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4557 \ProcessOptions\relax
4558 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4559 \RequirePackage{ifxetex}
4560 \RequirePackage{multido}
4561 \RequirePackage{datetime}
4562 \RequirePackage{multicol}
4563 \RequirePackage{fancyhdr}
4564 \RequirePackage{fancybox}
4565 \ifthenelse{\boolean{xepersian@a3paper}}{%
4566 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4567 }{
4568 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4569 }
4570 \RequirePackage[absolute]{textpos} % absolute positioning
4571 \RequirePackage{hyphenat} % when hyphenate
4572 \RequirePackage{lastpage} % to know the last page number
4573 \RequirePackage{setspace} % set space between lines
4574 \RequirePackage{ragged2e}
4575 \newcommand{\raggedFormat}{\RaggedLeft}
4576 \AtEndOfClass{xepersianInit}
4577 \ifthenelse{\boolean{xepersian@showgrid}}{%
4578 \AtBeginDocument{
4579 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4580 \advance\minraggedcols by -1
4581 }{%
4582 \AtBeginDocument{
4583 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4584 \advance\minraggedcols by -1
4585 }
4586 \ifthenelse{\boolean{xepersian@ninepoints}}{
4587 \renewcommand{\normalsize}{%
4588 \setfontsize{\normalsize}{9pt}{10pt}%
4589 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4590 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4591 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4592 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4593
4594 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}

```



```

4595
4596 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
4597
4598 \renewcommand{\small}{%
4599   \@setfontsize{\small}{8pt}{9pt}%
4600   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4601   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4602   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4603   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4604
4605 \renewcommand{\footnotesize}{%
4606   \@setfontsize{\footnotesize}{8pt}{9pt}%
4607   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4608   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4609   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4610   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4611
4612 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4613 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4614 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4615 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4616 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4617 }{}
4618 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4619 \newcommand{\xepersian@wwwFormat}{\sffamily}
4620 \newcommand{\xepersian@www}{%
4621   \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4622 }
4623 \newcommand{\xepersian@edition}{
4624   \newcommand{\editionFormat}{\large\bfseries\texttt}
4625   \newcommand{\xepersian@editionLogo}{%
4626     \raisebox{-3pt}{%
4627       {\editionFormat\xepersian@edition}%
4628     }}%
4629 }
4630 \newcommand{\indexFormat}{\large\bfseries}
4631 \newcommand{\xepersian@indexFrameTitle}[1]
4632 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4633
4634 \newcommand{\indexEntryFormat}{\normalsize}
4635 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4636 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4637 \end{minipage}}
4638 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4639 \newcommand{\indexEntryPageTxt}{
4640 \newcommand{\indexEntryPageFormat}{\footnotesize}
4641 \newcommand{\xepersian@indexEntryPage}[1]{%
4642 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
4643 }
4644 \newcommand{\headDateTimeFormat}{}
4645 \newcommand{\xepersian@headDateTime}{%
4646 \headDateTimeFormat\date\hspace{5pt}\$ \parallel \$\hspace{5pt}%
4647 \currenttime %
4648 }

```



```

4649 \newcommand{\weatherFormat}{\bfseries}
4650 \newcommand{\xepersian@weather}[1]{%
4651 \noindent{\weatherFormat #1}%
4652 }
4653 \newcommand{\weatherTempFormat}{\small}
4654 \newcommand{\weatherUnits}{\textdegree{ }C}
4655 \newcommand{\xepersian@section}[0]{ {
4656 \newcommand{\xepersian@headleft}{%
4657 {\small\bfseries \@custommagazinename} \date
4658 }
4659 \newcommand{\xepersian@headcenter}{%
4660 \xepersian@section{}
4661 }
4662 \newcommand{\xepersian@headright}{%
4663 \small\xepersian@edition%
4664 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4665 }
4666
4667 \newcommand{\heading}[3]{%
4668 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4669 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4670 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4671 }
4672 \newcommand{\xepersian@footright}{%
4673 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4674 }
4675 \newcommand{\xepersian@footcenter}{%
4676 }
4677 \newcommand{\xepersian@footleft}{%
4678 }
4679
4680 \newcommand{\foot}[3]{%
4681 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4682 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4683 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4684 }
4685 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4686 \newcommand{\xepersian@firstTitle}[1]{%
4687 {%
4688 \begin{spacing}{2.0}{%
4689 \noindent\ignorespaces
4690 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4691 {\nohyphens{\firstTitleFormat #1}}%
4692 {\firstTitleFormat #1}}%
4693 }%
4694 \end{spacing}%
4695 }%
4696 }
4697 \newcommand{\firstTextFormat}{%
4698 \newcommand{\xepersian@firstText}[1]{%
4699 {\noindent\ignorespaces\firstTextFormat #1}%
4700 }
4701 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4702 \newcommand{\xepersian@secondTitle}[1]{%

```



```

4703 \begin{spacing}{1.5}{%
4704 \noindent\ignorespaces\flushright
4705 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4706 {\nohyphens{\secondTitleFormat #1}}%
4707 {\secondTitleFormat #1}}%
4708 }\end{spacing}%
4709 }
4710 \newcommand{\secondSubtitleFormat}{\large}
4711 \newcommand{\xepersian@secondSubtitle}[1]{%
4712 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4713 }
4714 \newcommand{\secondTextFormat}{}
4715 \newcommand{\xepersian@secondText}[1]{%
4716 \begin{multicols}{2}
4717 {\noindent\ignorespaces\secondTextFormat #1}
4718 \end{multicols}
4719 }
4720 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4721 \newcommand{\xepersian@thirdTitle}[1]{%
4722 \begin{spacing}{1.5}{%
4723 \noindent\ignorespaces\flushright
4724 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4725 {\nohyphens{\thirdTitleFormat #1}}%
4726 {\thirdTitleFormat #1}}%
4727 }\end{spacing}%
4728 }
4729 \newcommand{\thirdSubtitleFormat}{\large}
4730 \newcommand{\xepersian@thirdSubtitle}[1]{%
4731 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4732 \newcommand{\thirdTextFormat}{}
4733 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4734 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4735 \newcommand{\xepersian@pictureCaption}[1]{%
4736 {\noindent\pictureCaptionFormat #1}}
4737 }
4738 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4739 \newcommand{\xepersian@pages}[1]{%
4740 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4741 \newcommand{\innerTitleFormat}{\Huge}
4742 \newcommand{\xepersian@innerTitle}[1]{%
4743 \begin{flushright}{%
4744 \noindent
4745 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4746 {\nohyphens{\innerTitleFormat #1}}%
4747 {\innerTitleFormat #1}}%
4748 }%
4749 \\\%
4750 \end{flushright}}%
4751 }
4752 \newcommand{\innerSubtitleFormat}{\large}
4753 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4754 \newcommand{\timestampTxt}{}
4755 \newcommand{\timestampSeparator}{|}
4756 \newcommand{\timestampFormat}{\small}

```



```

4757 \newcommand{\timestamp}[1]{%
4758 {\timestampFormat%
4759 #1~\timestampTxt{}}%
4760 }~\timestampSeparator{}}%
4761 }
4762 \newcommand{\innerAuthorFormat}{\footnotesize}
4763 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4764 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4765 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4766 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4767 \newcommand{\editorialAuthorFormat}{\textsc}
4768 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4769 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4770 \newcommand{\shortarticleSubtitleFormat}{\Large}
4771 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4772 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4773 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4774 \renewcommand{\maketitle}{\begin{titlepage}%
4775 \let\footnotesize\small
4776 \let\footnoterule\relax
4777 \let \footnote \thanks
4778 \null\vfil
4779 \vskip 60\p@
4780 \begin{center}%
4781 {\LARGE \@title \par}%
4782 \vskip 1em%
4783 {\LARGE «\xepersian@edition» \par}%
4784 \vskip 3em%
4785 {\large
4786 \lineskip .75em%
4787 \begin{tabular}[t]{c}%
4788 \@author
4789 \end{tabular}\par}%
4790 \vskip 1.5em%
4791 {\large \@date \par}%
4792 \end{center}\par
4793 \@thanks
4794 \vfil\null
4795 \end{titlepage}%
4796 \setcounter{footnote}{0}%
4797 \global\let\thanks\relax
4798 \global\let\maketitle\relax
4799 \global\let\@thanks\@empty
4800 \global\let\@author\@empty
4801 \global\let\@date\@empty
4802 \global\let\@title\@empty
4803 \global\let\title\relax
4804 \global\let\author\relax
4805 \global\let\date\relax
4806 \global\let\and\relax
4807 }
4808 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4809 \newsavebox{\xepersian@fmbbox}
4810 \newenvironment{xepersian@fmpage}[1]

```



```

4811 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4812 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4813 \newcommand{\image}[2]{
4814 \vspace{5pt}
4815 \setlength{\fboxsep}{1pt}
4816 \addtolength{\xepersian@imgsize}{\columnwidth}
4817 \addtolength{\xepersian@imgsize}{-1\columnsep}
4818 \ifxetex
4819 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4820 \addtolength{\xepersian@pageneed}{50pt}
4821 \ClassWarning{xepersian-magazine}{%
4822 Image #1 needs: \the\xepersian@pageneed \space %
4823 and there is left: \the\page@free\space%
4824 }
4825 \ifdim \xepersian@pageneed < \page@free
4826
4827 {\centering\fbox{%
4828 \includegraphics[width = \xepersian@imgsize,
4829 height = \xepersian@imgsize,
4830 keepaspectratio ]{#1}}
4831 \xepersian@pictureCaption{#2}
4832
4833 \vspace{5pt}
4834 \else
4835 \ClassWarning{Image #1 needs more space!%
4836 It was not inserted!}
4837 \fi
4838 \fi
4839 }
4840 \textblockorigin{1cm}{1cm}
4841 \newdimen\xepersian@dx
4842 \newdimen\xepersian@dy
4843 \newcount\xepersian@cx
4844 \newcount\xepersian@cy
4845 \newcommand{\grid}[3][]{
4846 \xepersian@dx=\textwidth%
4847 \xepersian@dy=\textheight%
4848 \xepersian@cx=#3% %columns
4849 \xepersian@cy=#2% %rows
4850
4851 \count1=#3%
4852 \advance\count1 by 1
4853
4854 \count2=#2%
4855 \advance\count2 by 1
4856
4857 \divide\xepersian@dx by #3
4858 \divide\xepersian@dy by #2
4859
4860 \setlength{\TPHorizModule}{\xepersian@dx}
4861 \setlength{\TPVertModule}{\xepersian@dy}
4862
4863 \ifthenelse{equal{#1}{show}}{
4864 \multido{\xepersian@nrow=0+1}{\count2}{

```




```

4865 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4866 \rule[Opt]{\textwidth}{.1pt}
4867 \end{textblock}
4868 }
4869
4870 \multido{\xepersian@ncol=0+1}{\count1}{
4871 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4872 \rule[Opt]{.1pt}{\textheight}
4873 \end{textblock}
4874 }
4875 }{ }
4876 }
4877 \newcommand{\xepersianInit}{
4878 \setlength{\headheight}{14pt}
4879 \renewcommand{\headrulewidth}{0.4pt}
4880
4881 \pagestyle{fancy}
4882
4883 \setlength{\columnseprule}{\columnlines}
4884 \setlength{\fboxrule}{0.1 pt}
4885
4886 }
4887
4888 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4889 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4890 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4891 \newcommand{\logo}[0]{
4892 %% Heading %%
4893 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4894
4895 \vspace*{-3pt}
4896
4897 {\Large\bfseries \@customlogo}
4898 \hrulefill
4899 \hspace{10pt}\xepersian@headDateTime
4900
4901 }
4902 \newcommand{\minilogo}[0]{
4903 {\Large\bfseries \@customminilogo}
4904
4905 \vspace*{5pt}
4906 }
4907 \newcommand{\mylogo}[1]{
4908 {\beginR#1\endR}
4909
4910 \noindent
4911 \xepersian@editionLogo\hspace{5pt}
4912 \hrulefill
4913 \hspace{5pt}\xepersian@headDateTime
4914 }
4915 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4916 \newenvironment{frontpage}[0]
4917 {
4918 \setboolean{xepersian@insidefrontpage}{true}

```



```

4919 \thispagestyle{empty}
4920 \logo
4921
4922 }%
4923 {
4924 \thispagestyle{empty}
4925 \clearpage
4926 \newpage
4927 \fancyhead{}
4928 \fancyfoot{}
4929 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4930 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4931 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4932 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4933 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4934 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4935 \renewcommand{\headrulewidth}{0.4pt}
4936 \setboolean{xepersian@insidefrontpage}{false}
4937
4938 }
4939 \newcommand{\firstarticle}[3]
4940 {
4941 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4942 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4943 \begin{textblock}{24}(22,5)
4944 }
4945 {
4946 \begin{textblock}{28}(22,5)
4947 }
4948 \vspace{-7pt}
4949 \xepersian@firstTitle{#1}
4950 \end{textblock}
4951 \begin{textblock}{29}(22,10)
4952 \vspace{5pt plus 2pt minus 2pt}
4953
4954 \xepersian@firstText{\timestamp{#3}~#2}
4955
4956 \end{textblock}
4957
4958 \begin{textblock}{50}(0,15)
4959 \rule{50\TPHorizModule}{.3pt}
4960 \end{textblock}
4961 }{%else
4962 \ClassError{xepersian-magazine}{%
4963 \protect\firstarticle\space in a wrong place.\MessageBreak
4964 \protect\firstarticle\space may only appear inside frontpage environment.
4965 }{%
4966 \protect\firstarticle\space may only appear inside frontpage environment.
4967 }%
4968 }
4969 }
4970 \newcommand{\secondarticle}[5]
4971 {
4972 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%

```



```

4973 \begin{textblock}{33}(2,16)
4974 \xepersian@pages{#4}
4975 \vspace{-5pt}
4976 \xepersian@secondTitle{#1}
4977
4978 \vspace*{5pt}
4979
4980 \xepersian@secondSubtitle{#2}
4981
4982 \vspace*{-7pt}
4983
4984 \xepersian@secondText{\timestamp{#5}~#3}
4985
4986 \end{textblock}
4987
4988 \begin{textblock}{33}(2,25)
4989 \vspace{5pt plus 2pt minus 2pt}
4990
4991 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4992 \end{textblock}
4993 }{%else
4994 \ClassError{xepersian-magazine}{%
4995 \protect\secondarticle\space in a wrong place.\MessageBreak
4996 \protect\secondarticle\space may only appear inside frontpage environment.
4997 }{%
4998 \protect\secondarticle\space may only appear inside frontpage environment.
4999 }%
5000 }
5001 }
5002 \newcommand{\thirdarticle}[6]
5003 {
5004 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5005 \begin{textblock}{32}(2,26)
5006 \xepersian@pages{#5}
5007 \vspace{-5pt}
5008 \setlength{\fboxsep}{1pt}
5009 \xepersian@thirdTitle{#1}
5010
5011 \vspace*{5pt}
5012
5013 \xepersian@thirdSubtitle{#2}
5014
5015 \vspace*{5pt}
5016
5017 {\noindent\ignorespaces %
5018 \ifthenelse{\equal{#4}{}}{}}
5019
5020 \xepersian@thirdText{\timestamp{#6}~#3}
5021
5022 }
5023
5024 \vspace*{5pt}
5025
5026 \end{textblock}

```



```

5027 }{%else
5028 \ClassError{xepersian-magazine}{%
5029 \protect\thirdarticle\space in a wrong place.\MessageBreak
5030 \protect\thirdarticle\space may only appear inside frontpage environment.
5031 }{%
5032 \protect\thirdarticle\space may only appear inside frontpage environment.
5033 }%
5034 }
5035 }
5036 \newcommand{\firstimage}[2]
5037 {
5038 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5039 \begin{textblock}{18}(2,5)
5040 \setlength{\fboxsep}{1pt}
5041 \ifxetex % only in PDF
5042 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
5043 \fi
5044
5045 \xepersian@pictureCaption{#2}
5046 \end{textblock}}%
5047 }
5048 {\ClassError{xepersian-magazine}{%
5049 \protect\firstimage\space in a wrong place.\MessageBreak
5050 \protect\firstimage\space may only appear inside frontpage environment.
5051 }{%
5052 \protect\firstimage\space may only appear inside frontpage environment.
5053 }}
5054 }%
5055 \newcommand{\weatheritem}[5]{%
5056 \ifthenelse{\boolean{xepersian@insideweather}}{
5057 \begin{minipage}{45pt}
5058 \ifxetex
5059 \includegraphics[width=40pt]{#1}
5060 \fi
5061 \end{minipage}
5062 \begin{minipage}{50pt}
5063 \weatherTempFormat
5064 #2\
5065 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\
5066 #5
5067 \end{minipage}
5068 }{%else
5069 \ClassError{xepersian-magazine}{%
5070 \protect\weatheritem\space in a wrong place.\MessageBreak
5071 \protect\weatheritem\space may only appear inside weatherblock environment.
5072 }{%
5073 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
5074 weatherblock environment may only appear inside frontpage environment.
5075 }%
5076 }
5077 }
5078 \newenvironment{weatherblock}[1]
5079 {
5080 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%

```



```

5081 \setboolean{xepersian@insideweather}{true}
5082 \begin{textblock}{32}(2,38)
5083 \vspace*{-15pt}
5084
5085 \xepersian@weather{\beginR#1\endR}
5086
5087 \vspace*{5pt}
5088
5089 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
5090 \begin{minipage}{32\TPHorizModule}
5091 \hspace{5pt}
5092
5093 }{%
5094 \ClassError{xepersian-magazine}{%
5095 weatherblock in a wrong place.\MessageBreak
5096 weatherblock may only appear inside frontpage environment.
5097 }{%
5098 weatherblock may only appear inside frontpage environment.
5099 }
5100 }
5101 }%
5102 {
5103 \end{minipage}
5104 \end{xepersian@fmpage}
5105 \end{textblock}
5106 \setboolean{xepersian@insideweather}{false}
5107 }
5108 \newenvironment{authorblock}[0]
5109 {
5110 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
5111 \begin{textblock}{15}(36,35)
5112 \setlength{\fboxsep}{5pt}
5113 \begin{xepersian@fmpage}{13\TPHorizModule}
5114 \begin{minipage}{13\TPHorizModule}
5115 \centering
5116 \minilogo
5117
5118 }{%else
5119 \ClassError{xepersian-magazine}{%
5120 authorblock in a wrong place.\MessageBreak
5121 authorblock may only appear inside frontpage environment.
5122 }{%
5123 authorblock may only appear inside frontpage environment.
5124 }
5125 }
5126 }
5127 {
5128 \end{minipage}
5129 \end{xepersian@fmpage}
5130 \end{textblock}
5131 }
5132 \newenvironment{indexblock}[1]
5133 {
5134 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%

```



```

5135 \setboolean{xepersian@insideindex}{true}%let's in
5136 \begin{textblock}{15}(36,16)
5137 \setlength{xepersian@indexwidth}{13\TPHorizModule}
5138 xepersian@indexFrameTitle{#1}
5139
5140 \setlength{fboxsep}{5pt} %espacio entre el frame y la imagen
5141 \begin{xepersian@fmpage}{xepersian@indexwidth}
5142 \begin{minipage}{xepersian@indexwidth}
5143 \vspace*{10pt}
5144 }{%else
5145 \ClassError{xepersian-magazine}{%
5146 indexblock in a wrong place.\MessageBreak
5147 indexblock may only appear inside frontpage environment.
5148 }{%
5149 indexblock may only appear inside frontpage environment.
5150 }
5151 }
5152 }%
5153 {
5154 \end{minipage}
5155 \end{xepersian@fmpage}
5156 \end{textblock}
5157 \setboolean{xepersian@insideindex}{false}%let's out
5158 }
5159 \newcommand{\indexitem}[2]
5160 {
5161 \ifthenelse{\boolean{xepersian@insideindex}}{
5162 xepersian@indexEntry{#1 xepersian@indexEntryPage{\pageref{#2}}}
5163
5164 \vspace{0.5cm}
5165
5166 \noindent\ignorespaces\indexEntrySeparator{}
5167 }{%else
5168 \ClassError{xepersian-magazine}{%
5169 \protect\indexitem\space in a wrong place.\MessageBreak
5170 \protect\indexitem\space may only appear inside indexblock environment.
5171 }{%
5172 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5173 indexblock environment may only appear inside frontpage environment.
5174 }%
5175 }
5176 }
5177 \newcommand{xepersian@inexpandedtitle}[1]{
5178 \begin{minipage}{.95\textwidth}
5179 \begin{center}
5180 \noindent\Large\textbf{\beginR#1\endR}
5181 \end{center}
5182 \end{minipage}
5183 }
5184 \newcommand{expandedtitle}[2]{
5185 \end{multicols}
5186
5187 \begin{center}
5188 \setlength{fboxsep}{5pt}

```



```

5189 \setlength{\shadowsize}{2pt}
5190 \ifthenelse{\equal{#1}{shadowbox}}{%
5191 \shadowbox{%
5192 \xepersian@inexpandedtitle{#2}%
5193 }%
5194 }{}
5195 \ifthenelse{\equal{#1}{doublebox}}{%
5196 \doublebox{%
5197 \xepersian@inexpandedtitle{#2}%
5198 }%
5199 }{}
5200 \ifthenelse{\equal{#1}{ovalbox}}{%
5201 \ovalbox{%
5202 \xepersian@inexpandedtitle{#2}%
5203 }%
5204 }{}
5205 \ifthenelse{\equal{#1}{Oovalbox}}{%
5206 \Oovalbox{%
5207 \xepersian@inexpandedtitle{#2}%
5208 }%
5209 }{}
5210 \ifthenelse{\equal{#1}{lines}}{
5211 \hrule
5212 \vspace*{8pt}
5213 \begin{center}
5214 \noindent\Large\textbf{#2}
5215 \end{center}
5216 \vspace*{8pt}
5217 \hrule
5218 }{}
5219 \end{center}
5220
5221 \begin{multicols}{\xepersian@ncolumns}}
5222 \ifnum \xepersian@ncolumns > \minraggedcols
5223 \raggedFormat
5224 \fi
5225 }
5226 \newcommand{\xepersian@incolumntitle}[2]{
5227 \begin{minipage}{#1}
5228 \begin{center}
5229 \noindent\normalsize\textbf{#2}
5230 \end{center}
5231 \end{minipage}
5232 }
5233
5234 \newcommand{\columnntitle}[2]{
5235 \vspace*{5pt}
5236 \begin{center}
5237 \setlength{\fboxsep}{5pt}
5238 \setlength{\shadowsize}{2pt}
5239 \addtolength{\xepersian@coltitsize}{\columnwidth}
5240 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5241 \addtolength{\xepersian@coltitsize}{-5pt}
5242 \addtolength{\xepersian@coltitsize}{-1\shadowsize}

```



```

5243 \ifthenelse{\equal{#1}{shadowbox}}{%
5244 \shadowbox{%
5245 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5246 }%
5247 }{}
5248 \ifthenelse{\equal{#1}{doublebox}}{%
5249 \doublebox{%
5250 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5251 }%
5252 }{}
5253 \ifthenelse{\equal{#1}{ovalbox}}{%
5254 \ovalbox{%
5255 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5256 }%
5257 }{}
5258 \ifthenelse{\equal{#1}{Oovalbox}}{%
5259 \Oovalbox{%
5260 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5261 }%
5262 }{}
5263 \ifthenelse{\equal{#1}{lines}}{
5264 \hrule
5265 \vspace*{5pt}
5266 \begin{center}
5267 \noindent\normalsize\textbf{#2}
5268 \end{center}
5269 \vspace*{5pt}
5270 \hrule
5271 }{}
5272 \end{center}
5273 }
5274 \renewcommand{\date}{%
5275 \longdate{\today}%
5276 }
5277 \newcommand{\authorandplace}[2]{%
5278 \rightline{%
5279 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
5280 }%
5281 \par %
5282 }
5283 \newcommand{\newsection}[1]{
5284 \renewcommand{\xepersian@section}{#1}
5285 }
5286 \newenvironment{article}[5]
5287 {
5288 \xepersian@say{Adding a new piece of article}
5289 \renewcommand{\xepersian@ncolumns}{#1}
5290 \begin{multicols}{#1}[
5291 \xepersian@pages{#4}
5292 \xepersian@innerTitle{#2}%
5293 \xepersian@innerSubtitle{#3}%
5294 ] [4cm]%
5295 \label{#5}
5296 \ifnum #1 > \minraggedcols

```




```

5297 \raggedFormat
5298 \fi
5299 }
5300 {-\innerTextFinalMark{}}
5301 \end{multicols}
5302 }
5303 \newcommand{\articlesep}{%
5304 \setlength{\xepersian@pageneed}{16000pt}
5305 \setlength{\xepersian@pageleft}{\pagegoal}
5306 \addtolength{\xepersian@pageleft}{-\pagetotal}
5307
5308 \xepersian@say{How much left \the\xepersian@pageleft}
5309
5310 \ifdim \xepersian@pageneed < \xepersian@pageleft
5311 \xepersian@say{Not enough space}
5312 \else
5313 \xepersian@say{Adding sep line between articles}
5314 \vspace*{10pt plus 10pt minus 5pt}
5315 \hrule
5316 \vspace*{10pt plus 5pt minus 5pt}
5317 \fi
5318
5319 }
5320 \newcommand{\xepersian@editorialTit}[2]{
5321 \setlength{\arrayrulewidth}{.1pt}
5322 \begin{center}
5323 \begin{tabular}{c}
5324 \noindent
5325 \xepersian@editorialTitle{#1}
5326 \vspace{2pt plus 1pt minus 1pt}
5327 \\
5328 \hline
5329 \vspace{2pt plus 1pt minus 1pt}
5330 \\
5331 \editorialAuthorFormat{#2}
5332 \end{tabular}
5333 \end{center}
5334 }
5335 \newenvironment{editorial}[4]
5336 {
5337 \xepersian@say{Adding a new editorial}
5338 \begin{multicols}{#1}[%
5339 \xepersian@editorialTit{#2}{#3}%
5340 ] [4cm]
5341 \label{#4}
5342 \ifnum #1 > \minraggedcols
5343 \raggedFormat
5344 \fi
5345 }
5346 {
5347 \end{multicols}
5348 }
5349 \newcommand{\xepersian@shortarticleTit}[2]{
5350 \begin{center}

```



```

5351 \vbox{%
5352 \noindent
5353 \xepersian@shortarticleTitle{#1}
5354 \vspace{4pt plus 2pt minus 2pt}
5355 \hrule
5356 \vspace{4pt plus 2pt minus 2pt}
5357 \xepersian@shortarticleSubtitle{#2}
5358 }
5359 \end{center}
5360 }
5361 \newenvironment{shortarticle}[4]
5362 {
5363 \xepersian@say{Adding a short article block}
5364 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
5365     \label{#4}
5366 \par %
5367 \ifnum #1 > \minraggedcols
5368 \raggedFormat
5369 \fi
5370 }
5371 {
5372 \end{multicols}
5373 }
5374 \newcommand{\shortarticleitem}[2]{
5375 \goodbreak
5376 \vspace{5pt plus 3pt minus 3pt}
5377 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5378 \vspace{5pt plus 3pt minus 3pt}
5379 {\noindent #2}\}
5380 }

```

63 File unicode-persianmath.sty

```

5381 \NeedsTeXFormat{LaTeX2e}
5382 \ProvidesPackage{unicode-persianmath}
5383 [2025/02/02 v1.2.3 Unicode Persian math]
5384 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5385 \let\newfam\new@mathgroup
5386 \def\select@group#1#2#3#4{%
5387 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5388 f%
5389 \ifmmode
5390 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5391 \begingroup
5392 \escapechar\m@ne
5393 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5394 \globaldefs\@ne \math@fonts
5395 \endgroup
5396 \init@restore@version
5397 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5398     {\number\csname c@mv@\math@version\endcsname}}%
5399 \global\advance\csname c@mv@\math@version\endcsname\@ne
5400 \else
5401 \let#1\relax

```



```

5402     \@latex@error{Too many math alphabets used in
5403                 version \math@version}%
5404     \@eha
5405     \fi
5406 \else \expandafter\non@alpherr\fi
5407 #1{#4}%
5408 }%
5409 }
5410 \def\document@select@group#1#2#3#4{%
5411 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5412 {%
5413 \ifmmode
5414     \ifnum\c@mv@\math@version\endcsname<\@cclvi
5415     \begingroup
5416         \escapechar\m@ne
5417         \getanddefine@fonts{\c@mv@\math@version\endcsname}#3%
5418         \globaldefs\@ne \math@fonts
5419     \endgroup
5420     \expandafter\extract@alph@from@version
5421         \c@mv@\math@version\expandafter\endcsname
5422     \expandafter{\number\c@mv@\math@version\endcsname}%
5423     #1%
5424     \global\advance\c@mv@\math@version\endcsname\@ne
5425 \else
5426     \let#1\relax
5427     \@latex@error{Too many math alphabets used
5428                 in version \math@version}%
5429     \@eha
5430     \fi
5431 \fi
5432 \else \expandafter\non@alpherr\fi
5433 #1{#4}%
5434 }%
5435 }
5436 \ExplSyntaxOn
5437 \bool_set_false:N \g__fontspec_math_bool
5438 \tl_map_inline:nn
5439 {
5440 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5441 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5442 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5443 \version@list\version@elt\alpha@list\alpha@elt
5444 \restore@mathversion\init@restore@version\dorestore@version\process@table
5445 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5446 \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
5447 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5448 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5449 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5450 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5451 \set@mathdelimiter\DeclareMathRadical\mathchar@type
5452 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5453 }
5454 {
5455 \tl_remove_once:Nn \@preamblecmds {\do#1}

```



```

5456 }
5457 \ExplSyntaxOff
5458 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{unicode-persianmath}{#1}}
5459 \newcommand\SetMathCode[4]{%
5460   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5461 \newcommand\SetMathCharDef[4]{%
5462   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5463 \ExplSyntaxOn
5464 \cs_new_eq:NN \orig_mathbf:n \mathbf
5465 \cs_new_eq:NN \orig_mathit:n \mathit
5466 \cs_new_eq:NN \orig_mathrm:n \mathrm
5467 \cs_new_eq:NN \orig_mathsf:n \mathsf
5468 \cs_new_eq:NN \orig_mathtt:n \mathtt
5469 %\int_const:Nn \c_one_int { 1 }
5470 \NewDocumentCommand \new@mathbf { m } {
5471   \orig_mathbf:n {
5472     \SetPersianMathDigitsCode{\mathord}{persianoperatorsbf}
5473     #1
5474   }
5475 }
5476 \NewDocumentCommand \new@mathit { m } {
5477   \orig_mathit:n {
5478     \SetPersianMathDigitsCode{\mathord}{persianoperatorsit}
5479     #1
5480   }
5481 }
5482 \NewDocumentCommand \new@mathrm { m } {
5483   \orig_mathrm:n {
5484     \SetPersianMathDigitsCode{\mathord}{persianoperators}
5485     #1
5486   }
5487 }
5488 \NewDocumentCommand \new@mathsf { m } {
5489   \orig_mathsf:n {
5490     \SetPersianMathDigitsCode{\mathord}{persianoperatorssf}
5491     #1
5492   }
5493 }
5494 \NewDocumentCommand \new@mathtt { m } {
5495   \orig_mathtt:n {
5496     \SetPersianMathDigitsCode{\mathord}{persianoperatorstt}
5497     #1
5498   }
5499 }
5500
5501 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nxxx {unicode-persianmath}
5502 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5503 { \msg_new:nxxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5504 \char_set_catcode_space:n {32}
5505 \__xepersian_mathdigitsspec_msg_new:nnnn {unicode-persianmath} {char-not-exist}
5506 {
5507   The font "#1" does not contain U+#2.
5508 }
5509 {

```



```

5510 Select another font and rerun xelatex.
5511 }
5512 \char_set_catcode_ignore:n {32}
5513
5514 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5515 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5516 {
5517   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5518   \prg_return_true:
5519   \else:
5520   \prg_return_false:
5521   \fi:
5522 }
5523
5524 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5525
5526 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5527 {
5528   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5529   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5530     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5531   }
5532 }
5533
5534 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5535 {
5536   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5537   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5538     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5539   }
5540 }
5541
5542 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5543 {
5544   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5545   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5546     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5547   }
5548 }
5549
5550 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5551 {
5552   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5553     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5554     06F9 , 066A , 066B
5555   } { #1 }
5556 }
5557
5558 \NewDocumentCommand \SetPersianMathDigitsCode { m m }
5559 {
5560   \SetMathCode{`0}{#1}{#2}{` }
5561   \SetMathCode{`1}{#1}{#2}{` }
5562   \SetMathCode{`2}{#1}{#2}{` }
5563   \SetMathCode{`3}{#1}{#2}{` }

```



```

5564 \SetMathCode{`4}{#1}{#2}{` }
5565 \SetMathCode{`5}{#1}{#2}{` }
5566 \SetMathCode{`6}{#1}{#2}{` }
5567 \SetMathCode{`7}{#1}{#2}{` }
5568 \SetMathCode{`8}{#1}{#2}{` }
5569 \SetMathCode{`9}{#1}{#2}{` }
5570 }
5571
5572 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5573 {
5574   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5575 }
5576 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5577 {
5578   \let\glb@currsize\relax
5579   \fontspec_set_family:Nnn \g__xepersian_mathdigitfamily_tl {#1} {#2}
5580   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5581   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5582   \DeclareSymbolFont{persianoperators} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfamily_tl}
5583   \DeclareSymbolFont{persianoperatorssb} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfamily_tl}
5584   \DeclareSymbolFont{persianoperatorssit} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitfamily_tl}
5585   \__xepersian_mathdigitfont_spec_char_not_exist_error:n { #2 }
5586   \def\persianmathdigits{%
5587     \SetPersianMathDigitsCode{\mathalpha}{persianoperators}
5588     \SetMathCode{`\%}{\mathord}{persianoperators}{` }
5589     \SetMathCharDef{\persiandecimalseparator}{\mathord}{persianoperators}{` }
5590     \tl_set_eq:NN \mathbf \new@mathbf
5591     \tl_set_eq:NN \mathit \new@mathit
5592     \tl_set_eq:NN \mathrm \new@mathrm
5593   }
5594 }
5595
5596 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5597
5598 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5599 {
5600   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5601 }
5602 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5603 {
5604   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {#1} {#2}
5605   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5606   \DeclareSymbolFont{persianoperatorssf} {\g_fontspec_encoding_tl}{\g__xepersian_mathsfdigitfamily_tl}
5607   \__xepersian_mathdigitfont_spec_char_not_exist_error:n { #2 }
5608   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5609 }
5610
5611 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5612
5613 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
5614 {
5615   \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5616 }
5617 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn

```



```

5618 {
5619 \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {#1} {#2}
5620 \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5621 \DeclareSymbolFont{persianoperatorstt}{\g_fontspec_encoding_tl}{\g__xepersian_mathttdi
5622 \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5623 \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5624 }
5625
5626 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5627
5628 \ExplSyntaxOff
5629 \mathchardef\decimalseparator@point="013A
5630 %{}
5631 % \catcode\.\.=\active
5632 % \gdef.{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}}
5633 \bgroup
5634 \uccode~\~.\.%
5635 \uppercase{%
5636 \egroup
5637 \def-}{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}}
5638 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@
5639 \def\decimalseparator@check#1#2{%
5640 \ifx\@let@decimalsep@token1\endgroup#1\else
5641 \ifx\@let@decimalsep@token2\endgroup#1\else
5642 \ifx\@let@decimalsep@token3\endgroup#1\else
5643 \ifx\@let@decimalsep@token4\endgroup#1\else
5644 \ifx\@let@decimalsep@token5\endgroup#1\else
5645 \ifx\@let@decimalsep@token6\endgroup#1\else
5646 \ifx\@let@decimalsep@token7\endgroup#1\else
5647 \ifx\@let@decimalsep@token8\endgroup#1\else
5648 \ifx\@let@decimalsep@token9\endgroup#1\else
5649 \ifx\@let@decimalsep@token0\endgroup#1\else
5650 \ifx\@let@decimalsep@token\dot\endgroup#1\else
5651 \ifx\@let@decimalsep@token\overline\endgroup#1\else
5652 \endgroup#2%
5653 \fi
5654 \fi
5655 \fi
5656 \fi
5657 \fi
5658 \fi
5659 \fi
5660 \fi
5661 \fi
5662 \fi
5663 \fi
5664 \fi}
5665 \AtBeginDocument{\mathcode\.\="8000\relax}
5666 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined \else \persiandecimalseparator}
5667 \def\DefaultMathDecimalSeparator{.}
5668 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5669 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5670 \def\DefaultMathDigits{%
5671 \DefaultInlineMathDigits%

```



```

5672 \DefaultDisplayMathDigits%
5673 }
5674 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5675 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5676 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5677 \ifx\persianmathtttdigits\undefined\else\persianmathtttdigits\fi}}
5678 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5679 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5680 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5681 \ifx\persianmathtttdigits\undefined\else\persianmathtttdigits\fi}}
5682 \def\PersianMathDigits{%
5683 \PersianInlineMathDigits%
5684 \PersianDisplayMathDigits%
5685 }
5686 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5687 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5688 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5689 \ifx\persianmathtttdigits\undefined\else\if@nonlatin\persianmathtttdigits\fi\fi}}
5690 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5691 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5692 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5693 \ifx\persianmathtttdigits\undefined\else\if@nonlatin\persianmathtttdigits\fi\fi}}
5694 \def\AutoMathDigits{%
5695 \AutoInlineMathDigits%
5696 \AutoDisplayMathDigits%
5697 }
5698 \AutoMathDigits
5699 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5700 \let\SetDisplayMathDigits\relax%
5701 }
5702 \everydisplay\expandafter{%
5703 \the\everydisplay\SetDisplayMathDigits%
5704 \let\SetInlineMathDigits\relax%
5705 }
5706
5707 \ExplSyntaxOn
5708 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5709
5710 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5711 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5712 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5713 }
5714 \SetMathCode{`\%}{\mathord}{operators}{`\%}
5715 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5716 \tl_set_eq:NN \mathbf \orig_mathbf:n
5717 \tl_set_eq:NN \mathit \orig_mathit:n
5718 \tl_set_eq:NN \mathrm \orig_mathrm:n
5719 \tl_set_eq:NN \mathsf \orig_mathsf:n
5720 \tl_set_eq:NN \mathtt \orig_mathtt:n
5721 }
5722
5723 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5724 \SetPersianMathDigitsCode{\mathalpha}{persianoperators}
5725 \SetMathCode{`\%}{\mathord}{persianoperators}{` }

```




```

5726 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5727 \tl_set_eq:NN \mathbf \new@mathbf
5728 \tl_set_eq:NN \mathit \new@mathit
5729 \tl_set_eq:NN \mathrm \new@mathrm
5730 \tl_set_eq:NN \mathsf \new@mathsf
5731 \tl_set_eq:NN \mathtt \new@mathtt
5732 }
5733 \ExplSyntaxOff

```

64 File xepersian-multiplechoice.sty

```

5734 \NeedsTeXFormat{LaTeX2e}
5735 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5736     Multiple Choice Questionnaire class for Persian in XeLaTeX]
5737 \RequirePackage{pifont}
5738 \RequirePackage{fullpage}
5739 \RequirePackage{ifthen}
5740 \RequirePackage{calc}
5741 \RequirePackage{verbatim}
5742 \RequirePackage{tabularx}
5743 \def\@headerfont{\bfseries}
5744 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5745 \def\@X{X}
5746 \newcommand\X[1]{\gdef\@X{#1}}
5747 \def\pbs#1{\let\tmp=\@#1\let\@=\tmp}
5748 \newcolumnntype{D}{>{\pbs\centering}X}
5749 \newcolumnntype{Q}{>{\@headerfont}X}
5750
5751 \renewcommand\tabularxcolumn[1]{m{#1}}
5752 \newcommand\makeform@nocorrection{%
5753   \addtocontents{frm}{\protect\end{tabularx}}
5754   \@starttoc{frm}}
5755 \newcommand\makeform@correction{%
5756   \addtocontents{frm}{\protect\end{tabularx}}}
5757 \newcommand\makemask@nocorrection{%
5758   \addtocontents{msk}{\protect\end{tabularx}}
5759   \@starttoc{msk}}
5760 \newcommand\makemask@correction{%
5761   \addtocontents{msk}{\protect\end{tabularx}}}
5762 \newlength\questionspace
5763 \setlength\questionspace{0pt}
5764 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5765 \def\@answerstitlefont{\bfseries}
5766 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5767 \def\@answernumberfont{\bfseries}
5768 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5769 \newcounter{question}\stepcounter{question}
5770 \newcounter{@choice}
5771 \def\@initorcheck{%
5772   \xdef\@choices{\the@choice}%
5773   \setcounter{@choice}{1}%
5774   \gdef\@arraydesc{|Q||}%
5775   \gdef\@headerline{}%
5776   \whiledo{\not{value{@choice}>\@choices}}{

```



```

5777 \xdef\@arraydesc{\@arraydesc D]}
5778 \def\@appendheader{\g@addto@macro\@headerline}
5779 \@appendheader{&\protect\@headerfont}
5780 \edef\@the@choice{\alph{\@choice}}
5781 \expandafter\@appendheader\@the@choice
5782 \stepcounter{\@choice}}%
5783 \addtocontents{frm}{%
5784 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5785 \protect\hline
5786 \@headerline\protect\\protect\hline\protect\hline}%
5787 \addtocontents{msk}{%
5788 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5789 \protect\hline
5790 \@headerline\protect\\protect\hline\protect\hline}%
5791 \gdef\@initorcheck{%
5792 \ifthenelse{\value{\@choice} = \@choices}{}{%
5793 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5794 (\the@choice\space instead of \@choices)}{%
5795 Questions must all have the same number of proposed answers.%
5796 \MessageBreak
5797 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5798 \newenvironment{question}[1]{%
5799 %% \begin{question}
5800 \begin{minipage}{\textwidth}
5801 \xdef\@formanswerline{\@questionheader}%
5802 \xdef\@maskanswerline{\@questionheader}%
5803 \fbox{\parbox[c]{\linewidth}{#1}}
5804 \vspace\questionspace\par
5805 {\@answerstitlefont\@answerstitle}
5806 \begin{list}{\@answernumberfont\alph{\@choice}~}{\usecounter{\@choice}}}{%
5807 %% \end{question}
5808 \end{list}
5809 \@initorcheck%
5810 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5811 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5812 \end{minipage}
5813 \stepcounter{question}}
5814 \def\@truesymbol{\ding{52}~}
5815 \def\@falsesymbol{\ding{56}~}
5816 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5817 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5818 \def\@true@nocorrection{\item}
5819 \def\@false@nocorrection{\item}
5820 \def\@true@correction{\item[\@truesymbol\refstepcounter{\@choice}]}
5821 \def\@false@correction{\item[\@falsesymbol\refstepcounter{\@choice}]}
5822 \newcommand>true{%
5823 \xdef\@formanswerline{\@formanswerline&}%
5824 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5825 \@true}%
5826 \newcommand>false{%
5827 \xdef\@formanswerline{\@formanswerline&}%
5828 \xdef\@maskanswerline{\@maskanswerline&}%
5829 \@false}%
5830 \def\@correctionstyle{\itshape}

```



```

5831 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5832 \newenvironment{@correction}{\@correctionstyle}{\@correctionstyle}{}
5833 \def\@questionheader{ \thequestion}
5834 \answerstitle{ \thequestion}
5835 \DeclareOption{nocorrection}{\%
5836 \let\@true\@true@nocorrection
5837 \let\@false\@false@nocorrection
5838 \let\correction\comment
5839 \let\endcorrection\endcomment}
5840 \def\makeform{\makeform@nocorrection}
5841 \def\makemask{\makemask@nocorrection}}
5842 \DeclareOption{correction}{\%
5843 \let\@true\@true@correction
5844 \let\@false\@false@correction
5845 \let\correction\@correction
5846 \let\endcorrection\end@correction}
5847 \def\makeform{\makeform@correction}
5848 \def\makemask{\makemask@correction}}
5849 \ExecuteOptions{nocorrection}
5850 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5851 \def\@questiontitlefont{\bfseries}
5852 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5853 \newlength\questiontitlespace
5854 \setlength\questiontitlespace{5pt}
5855 \newlength\questionsepspace
5856 \setlength\questionsepspace{20pt}
5857 \gdef\@questionsepspace{0pt}
5858 \let\old@question\question
5859 \let\old@endquestion\endquestion
5860 \renewenvironment{question}[1]{\%
5861 %% \begin{question}
5862 \vspace\@questionsepspace
5863 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5864 \nopagebreak\vspace\questiontitlespace\par
5865 \old@question{#1}}{\%
5866 %% \end{question}
5867 \old@endquestion}
5868 \gdef\@questionsepspace{\questionsepspace}}
5869 \questiontitle{ \thequestion:}
5870 \ProcessOptions

```

65 File xepersian-persiancal.sty

```

5871 \NeedsTeXFormat{LaTeX2e}
5872 \ProvidesPackage{xepersian-persiancal}[2025/01/01 v0.3 provides Persian calendar]
5873
5874 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5875 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5876 \newcount\XePersian@latini \newcount\XePersian@persiani
5877 \newcount\XePersian@latinii \newcount\XePersian@persianii
5878 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5879 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5880 \newcount\XePersian@latinv \newcount\XePersian@persianv
5881 \newcount\XePersian@latinvi \newcount\XePersian@persianvi

```



```

5882 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5883 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5884 \newcount\XePersian@latinix \newcount\XePersian@persianix
5885 \newcount\XePersian@latinix \newcount\XePersian@persianx
5886 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5887 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5888 \newcount\XePersian@persianxiii
5889
5890 \newcount\XePersian@temp
5891 \newcount\XePersian@temptwo
5892 \newcount\XePersian@tempthree
5893 \newcount\XePersian@yModHundred
5894 \newcount\XePersian@thirtytwo
5895 \newcount\XePersian@dn
5896 \newcount\XePersian@sn
5897 \newcount\XePersian@mminusone
5898
5899
5900 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5901 \XePersian@temp=\XePersian@y
5902 \divide\XePersian@temp by 100\relax
5903 \multiply\XePersian@temp by 100\relax
5904 \XePersian@yModHundred=\XePersian@y
5905 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5906 \ifodd\XePersian@yModHundred
5907 \XePersian@leapfalse
5908 \else
5909 \XePersian@temp=\XePersian@yModHundred
5910 \divide\XePersian@temp by 2\relax
5911 \ifodd\XePersian@temp\XePersian@leapfalse
5912 \else
5913 \ifnum\XePersian@yModHundred=0%
5914 \XePersian@temp=\XePersian@y
5915 \divide\XePersian@temp by 400\relax
5916 \multiply\XePersian@temp by 400\relax
5917 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5918 \else\XePersian@leaptrue
5919 \fi
5920 \fi
5921 \fi
5922 \XePersian@latini=31\relax
5923 \ifXePersian@leap
5924 \XePersian@latinii = 29\relax
5925 \else
5926 \XePersian@latinii = 28\relax
5927 \fi
5928 \XePersian@latiniii = 31\relax
5929 \XePersian@latiniv = 30\relax
5930 \XePersian@latinv = 31\relax
5931 \XePersian@latinvi = 30\relax
5932 \XePersian@latinvii = 31\relax
5933 \XePersian@latinviii = 31\relax
5934 \XePersian@latinix = 30\relax
5935 \XePersian@latinx = 31\relax

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5936 \XePersian@latinxi = 30\relax
5937 \XePersian@latinxii = 31\relax
5938 \XePersian@thirtytwo=32\relax
5939 \XePersian@temp=\XePersian@y
5940 \advance\XePersian@temp by -17\relax
5941 \XePersian@temptwo=\XePersian@temp
5942 \divide\XePersian@temptwo by 33\relax
5943 \multiply\XePersian@temptwo by 33\relax
5944 \advance\XePersian@temp by -\XePersian@temptwo
5945 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5946 \else
5947 \XePersian@temptwo=\XePersian@temp
5948 \divide\XePersian@temptwo by 4\relax
5949 \multiply\XePersian@temptwo by 4\relax
5950 \advance\XePersian@temp by -\XePersian@temptwo
5951 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5952 \fi
5953 \XePersian@tempthree=\XePersian@y % Number of Leap years
5954 \advance\XePersian@tempthree by -1
5955 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5956 \divide\XePersian@temp by 4\relax
5957 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5958 \divide\XePersian@temptwo by 100\relax
5959 \advance\XePersian@temp by -\XePersian@temptwo
5960 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5961 \divide\XePersian@temptwo by 400\relax
5962 \advance\XePersian@temp by \XePersian@temptwo
5963 \advance\XePersian@tempthree by -611 % Number of Kabise years
5964 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5965 \divide\XePersian@temptwo by 33\relax
5966 \multiply\XePersian@temptwo by 8\relax
5967 \advance\XePersian@temp by -\XePersian@temptwo
5968 \XePersian@temptwo=\XePersian@tempthree %
5969 \divide\XePersian@temptwo by 33\relax
5970 \multiply\XePersian@temptwo by 33\relax
5971 \advance\XePersian@tempthree by -\XePersian@temptwo
5972 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5973 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5974 \advance\XePersian@temp by -\XePersian@tempthree
5975 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5976 \XePersian@persiani=31
5977 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5978 \XePersian@persianii = 30\relax
5979 \ifXePersian@kabiseh
5980 \XePersian@persianiii = 30\relax
5981 \else
5982 \XePersian@persianiii = 29\relax
5983 \fi
5984 \XePersian@persianiv = 31\relax
5985 \XePersian@persianv = 31\relax
5986 \XePersian@persianvi = 31\relax
5987 \XePersian@persianvii = 31\relax
5988 \XePersian@persianviii= 31\relax
5989 \XePersian@persianix = 31\relax

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5990 \XePersian@persianx = 30\relax
5991 \XePersian@persianxi = 30\relax
5992 \XePersian@persianxii = 30\relax
5993 \XePersian@persianxiii= 30\relax
5994 \XePersian@dn= 0\relax
5995 \XePersian@sn= 0\relax
5996 \XePersian@mminusone=\XePersian@m
5997 \advance\XePersian@mminusone by -1\relax
5998 \XePersian@i=0\relax
5999 \ifnum\XePersian@i < \XePersian@mminusone
6000 \loop
6001 \advance \XePersian@i by 1\relax
6002 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
6003 \ifnum\XePersian@i<\XePersian@mminusone \repeat
6004 \fi
6005 \advance \XePersian@dn by \XePersian@d
6006 \XePersian@i=1\relax
6007 \XePersian@sn = \XePersian@persiani
6008 \ifnum \XePersian@sn<\XePersian@dn
6009 \loop
6010 \advance \XePersian@i by 1\relax
6011 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
6012 \ifnum \XePersian@sn<\XePersian@dn \repeat
6013 \fi
6014 \ifnum \XePersian@i < 4
6015 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
6016 \advance \XePersian@y by -622\relax
6017 \else
6018 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
6019 \advance \XePersian@y by -621\relax
6020 \fi
6021 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
6022 \endcsname
6023 \ifnum\XePersian@i = 1
6024 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@sn
6025 \else
6026 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
6027 \fi
6028 \newcommand*\persiantoday{%
6029 \number\XePersian@d\space%
6030 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
6031 }
6032 \let\persianyear\XePersian@y
6033 \let\persianmonth\XePersian@m
6034 \let\persianday\XePersian@d
6035 \def\XePersian@persian@month#1{\ifcase#1\or or\
6036 or\
6037 or\ or\
6038 or\
6039 or\ or\
6040 or\ or\
6041 or\ or\
6042 \fi\
6043

```



```
6044 \newcommand*{\persianseason}{%
6045 \ifcase\persianmonth\or
6046 or\ or\ or\ or\ or\ or\
6047 or\ or\ or\ or\ or\ fi\
6048 }
```



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