

The `basque-book` document class*

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July 6, 2012

Abstract

The class is derived from the `LATEX book` document class. The extensions solve grammatical and numeration issues that occur when book-type documents are written in Basque. The class is useful for writing books, PhD Theses, etc. in Basque.

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1 Basque Language and LaTeX

1.1 Introduction

`LATEX` is primarily intended for English and English-like languages. Basque does not have an English-like structure nor numeration rules and, for that reason, writing grammatically correct documents in Basque using `LATEX` is not always straightforward.

*This file has version v1.20 last revised 2012-07-06.

This issues are well known for Basque L^AT_EX users. Most non-advanced Basque L^AT_EX users do not have the ability to modify the document classes themselves. As stated in [1], one of the possible solutions to address this problems is to redefine L^AT_EX document classes for Basque.

1.2 The basque-book document class

One of the most common class used in L^AT_EX is the `book` document class. In this sense, a derived class called `basque-book` is provided. This class allows to write grammatically correct books in Basque without the need of performing manual corrections or redefinitions on the document class code. The class is useful for writing books, PhD Theses, etc. in Basque.

2 Calling the document class

The document class `basque-book` is called using the `\documentclass` command: `\documentclass[<options>]{basque-book}`.

The class `basque-book` provides the same options provided by the standard `book` document class.

The document class `basque-book` requires the package `basque-date`. This package prints the current date in Basque following the recommendations of the Basque Language Academy. This package and its documentation are available online from CTAN¹.

Due to incompatibility reasons, the package `babel` should not be used when the document class `basque-book` is called (refer to appendix A.3 for more details).

3 Acknowledgements

I would like to thank Jose Ramon Etxebarria, who tested the package `basque-date` and made suggestions that helped to improve it.

References

- [1] J. Arias, J. Lazaro, J. M. Aguirregabiria, “Basque: A Case Study in Generalizing L^AT_EX Language Support,” *International Conference on TeX, XML and Digital Typography*. pp. 27-33, 2004.

A Appendices

A.1 License

Copyright 2012 Edorta Ibarra.

¹<http://ctan.org/tex-archive/macros/latex/contrib/basque-date>

This program can be redistributed and/or modified under the terms of the L^AT_EX Project Public License Distributed from CTAN archives in directory macros/latex/base/lppl.txe; either version 1.2 of the License, or any later version.

A.2 Version history

- **Version v1.00 (12/05/03).** Initial non-public version for development.
- **Version v1.05 (12/05/22).** First public version. This version included most of the current features.
- **Version v1.20 (12/07/06).** Second public version.
 - (a) Captions for tables and figures were redefined in order to improve the readability of the document.
 - (b) A minor bugg was corrected (a missing `\RequirePackage`).
 - (c) Some minor changes were performed in the documentation.

A.3 Implementation

No changes from the standard book document class are implemented at the beginning of the code.

```

1 \newcommand\@ptsize{}
2 \newif\if@restonecol
3 \newif\if@titlepage
4 \@titlepagetrue
5 \newif\if@openright
6 \newif\if@mainmatter \@mainmattertrue
7 \if@compatibility\else
8 \DeclareOption{a4paper}
9   {\setlength\paperheight {297mm}%
10    \setlength\paperwidth  {210mm}}
11 \DeclareOption{a5paper}
12   {\setlength\paperheight {210mm}%
13    \setlength\paperwidth  {148mm}}
14 \DeclareOption{b5paper}
15   {\setlength\paperheight {250mm}%
16    \setlength\paperwidth  {176mm}}
17 \DeclareOption{letterpaper}
18   {\setlength\paperheight {11in}%
19    \setlength\paperwidth  {8.5in}}
20 \DeclareOption{legalpaper}
21   {\setlength\paperheight {14in}%
22    \setlength\paperwidth  {8.5in}}
23 \DeclareOption{executivepaper}
24   {\setlength\paperheight {10.5in}%
25    \setlength\paperwidth  {7.25in}}

```

```

26 \DeclareOption{landscape}
27   {\setlength\@tempdima {\paperheight}%
28    \setlength\paperheight {\paperwidth}%
29    \setlength\paperwidth {\@tempdima}}
30 \fi
31 \if@compatibility
32   \renewcommand\@ptsize{0}
33 \else
34 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
35 \fi
36 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
37 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
38 \if@compatibility\else
39 \DeclareOption{oneside}{\@twosidefalse \@mparswitchfalse}
40 \fi
41 \DeclareOption{twoside}{\@twosidetrue \@mparswitchtrue}
42 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
43 \if@compatibility\else
44 \DeclareOption{final}{\setlength\overfullrule{0pt}}
45 \fi
46 \DeclareOption{titlepage}{\@titlepagetrue}
47 \if@compatibility\else
48 \DeclareOption{notitlepage}{\@titlepagefalse}
49 \fi
50 \if@compatibility
51 \@openrighttrue
52 \else
53 \DeclareOption{openright}{\@openrighttrue}
54 \DeclareOption{openany}{\@openrightfalse}
55 \fi
56 \if@compatibility\else
57 \DeclareOption{onecolumn}{\@twocolumnfalse}
58 \fi
59 \DeclareOption{twocolumn}{\@twocolumntrue}
60 \DeclareOption{leqno}{\input{leqno.clo}}
61 \DeclareOption{fleqn}{\input{fleqn.clo}}
62 \DeclareOption{openbib}{\%
63   \AtEndOfPackage{\%
64     \renewcommand\@openbib@code{\%
65       \advance\leftmargin\bibindent
66       \itemindent -\bibindent
67       \listparindent \itemindent
68       \parsep \z@
69     }%
70     \renewcommand\newblock{\par}}}%
71 }
72 \ExecuteOptions{letterpaper,10pt,twoside,onecolumn,final,openright}
73 \ProcessOptions
74 \input{bk1\@ptsize.clo}
75 \setlength\lineskip{1\p@}

```

```

76 \setlength\normallineskip{1\p@}
77 \renewcommand\baselinestretch{}
78 \setlength\parskip{0\p@ \@plus \p@}
79 \@lowpenalty 51
80 \@medpenalty 151
81 \@highpenalty 301
82 \setcounter{topnumber}{2}
83 \renewcommand\topfraction{.7}
84 \setcounter{bottomnumber}{1}
85 \renewcommand\bottomfraction{.3}
86 \setcounter{totalnumber}{3}
87 \renewcommand\textfraction{.2}
88 \renewcommand\floatpagefraction{.5}
89 \setcounter{dbltopnumber}{2}
90 \renewcommand\dbltopfraction{.7}
91 \renewcommand\dblfloatpagefraction{.5}
92 \if@twoside

\ps@headings The order of the elements of the document headings are redefined in order to
               comply with the Basque grammatical rules:
93 \def\ps@headings{%
94     \let\@oddfoot\@empty\let\@evenfoot\@empty
95     \def\@evenhead{\thepage\hfil\slshape\leftmark}%
96     \def\@oddhead{\slshape\rightmark}\hfil\thepage}%
97     \let\@mkboth\markboth
98     \def\chaptermark##1{%
99         \markboth {%
100             \ifnum \c@secnumdepth >\m@ne
101                 \if@mainmatter
102                     \thechapter\ \@chapapp .\ %
103                 \fi
104             \fi
105             ##1}}}%
106     \def\sectionmark##1{%
107         \markright {%
108             \ifnum \c@secnumdepth >\z@
109                 \thesection \ %
110             \fi
111             ##1}}}%
112 \else
113 \def\ps@headings{%
114     \let\@oddfoot\@empty
115     \def\@oddhead{\slshape\rightmark}\hfil\thepage}%
116     \let\@mkboth\markboth
117     \def\chaptermark##1{%
118         \markright {%
119             \ifnum \c@secnumdepth >\m@ne
120                 \if@mainmatter
121                     \thechapter\ \@chapapp .\ %
122                 \fi

```

```

123         \fi
124         ##1}}}}
125 \fi
126 \def\ps@myheadings{%
127     \let\@oddfoot\@empty\let\@evenfoot\@empty
128     \def\@evenhead{\thepage\hfil\slshape\leftmark}%
129     \def\@oddhead{\slshape\rightmark\hfil\thepage}%
130     \let\@mkboth\@gobbletwo
131     \let\chaptermark\@gobble
132     \let\sectionmark\@gobble
133 }
134 \if@titlepage
135 \newcommand\maketitle{\begin{titlepage}%
136 \let\footnotesize\small
137 \let\footnoterule\relax
138 \let \footnote \thanks
139 \null\vfil
140 \vskip 60\p@
141 \begin{center}%
142 {\LARGE \@title \par}%
143 \vskip 3em%
144 {\large
145 \lineskip .75em%
146 \begin{tabular}[t]{c}%
147 \@author
148 \end{tabular}\par}%
149 \vskip 1.5em%
150 {\large \@date \par}% % Set date in \large size.
151 \end{center}\par
152 \@thanks
153 \vfil\null
154 \end{titlepage}%
155 \setcounter{footnote}{0}%
156 \global\let\thanks\relax
157 \global\let\maketitle\relax
158 \global\let\@thanks\@empty
159 \global\let\@author\@empty
160 \global\let\@date\@empty
161 \global\let\@title\@empty
162 \global\let\title\relax
163 \global\let\author\relax
164 \global\let\date\relax
165 \global\let\and\relax
166 }
167 \else
168 \newcommand\maketitle{\par
169 \begingroup
170 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
171 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
172 \long\def\@makefntext##1{\parindent 1em\noindent

```

```

173         \hb@xt@1.8em{%
174             \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
175     \if@twocolumn
176         \ifnum \col@number=\@ne
177             \maketitle
178         \else
179             \twocolumn[\maketitle]%
180         \fi
181     \else
182         \newpage
183         \global\@topnum\z@    % Prevents figures from going at top of page.
184         \maketitle
185     \fi
186     \thispagestyle{plain}\@thanks
187 \endgroup
188 \setcounter{footnote}{0}%
189 \global\let\thanks\relax
190 \global\let\maketitle\relax
191 \global\let\@maketitle\relax
192 \global\let\@thanks\@empty
193 \global\let\@author\@empty
194 \global\let\@date\@empty
195 \global\let\@title\@empty
196 \global\let\title\relax
197 \global\let\author\relax
198 \global\let\date\relax
199 \global\let\and\relax
200 }
201 \def\@maketitle{%
202     \newpage
203     \null
204     \vskip 2em%
205     \begin{center}%
206         \let \footnote \thanks
207         {\LARGE \@title \par}%
208         \vskip 1.5em%
209         {\large
210             \lineskip .5em%
211             \begin{tabular}[t]{c}%
212                 \@author
213             \end{tabular}\par}%
214         \vskip 1em%
215         {\large \@date}%
216     \end{center}%
217     \par
218     \vskip 1.5em}
219 \fi
220 \newcommand*\chaptermark[1]{ }
221 \setcounter{secnumdepth}{2}
222 \newcounter {part}

```

```

223 \newcounter {chapter}
224 \newcounter {section}[chapter]
225 \newcounter {subsection}[section]
226 \newcounter {subsubsection}[subsection]
227 \newcounter {paragraph}[subsubsection]
228 \newcounter {subparagraph}[paragraph]

\thepart The commands that are responsible for numbering the different parts, chapters,
\thechapter sections, etc. of the document are redefined in order to comply with the Basque
\thesection numeration rules:
\thesubsection
\thesubsubsection 229 \renewcommand\thepart {\Roman{part}.}
\theparagraph 230 \renewcommand\thechapter {\Arabic{chapter}.}
\thesubparagraph 231 \renewcommand\thesection {\thechapter \Arabic{section}.}
232 \renewcommand\thesubsection {\thesection \Arabic{subsection}.}
233 \renewcommand\thesubsubsection {\thesubsection \Arabic{subsubsection}.}
234 \renewcommand\theparagraph {\thesubsubsection \Arabic{paragraph}.}
235 \renewcommand\thesubparagraph {\theparagraph \Arabic{subparagraph}.}
236 \newcommand\@chapapp{\chaptername}
237 \newcommand\frontmatter{%
238 \cleardoublepage
239 \@mainmatterfalse
240 \pagenumbering{roman}}
241 \newcommand\mainmatter{%
242 \cleardoublepage
243 \@mainmattertrue
244 \pagenumbering{arabic}}
245 \newcommand\backmatter{%
246 \if@openright
247 \cleardoublepage
248 \else
249 \clearpage
250 \fi
251 \@mainmatterfalse}
252 \newcommand\part{%
253 \if@openright
254 \cleardoublepage
255 \else
256 \clearpage
257 \fi
258 \thispagestyle{plain}%
259 \if@twocolumn
260 \onecolumn
261 \@tempswattrue
262 \else
263 \@tempswafalse
264 \fi
265 \null\vfil
266 \secdef\@part\@spart}

\@part The part environment is modified changing the order of \partname and \thepart.

```


Moreover, the extra dot is eliminated:

```

267 \def \@part[#1]#2{%
268     \ifnum \c@secnumdepth >-2\relax
269         \refstepcounter{part}%
270         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
271     \else
272         \addcontentsline{toc}{part}{#1}%
273     \fi
274     \markboth{}{}%
275     {\centering
276         \interlinepenalty \@M
277         \normalfont
278         \ifnum \c@secnumdepth >-2\relax
279             \huge\bfseries \thepart\nobreakspace\partname
280         \par
281         \vskip 20\p@
282     \fi
283     \Huge \bfseries #2\par}%
284 \@endpart}
285 \def \@spart#1{%
286     {\centering
287         \interlinepenalty \@M
288         \normalfont
289         \Huge \bfseries #1\par}%
290 \@endpart}
291 \def \@endpart{\vfil\newpage
292             \if@twoside
293             \if@openright
294                 \null
295                 \thispagestyle{empty}%
296             \newpage
297             \fi
298             \fi
299             \if@tempswa
300                 \twocolumn
301             \fi}
302 \newcommand\chapter{\if@openright\cleardoublepage\else\clearpage\fi
303                 \thispagestyle{plain}%
304                 \global\@topnum\z@
305                 \@afterindentfalse
306                 \secdef \@chapter \@schapter}

```

`\@chapter` Similarly, the `chapter` environment is modified changing the order of `\@chapapp` and `\thechapter`. As done before, the extra dot is eliminated:

```

307 \def \@chapter[#1]#2{\ifnum \c@secnumdepth >\m@ne
308     \if@mainmatter
309         \refstepcounter{chapter}%
310         \typeout{\thechapter\space \@chapapp}%
311         \addcontentsline{toc}{chapter}%
312             {\protect\numberline{\thechapter}#1}%

```

```

313             \else
314             \addcontentsline{toc}{chapter}{#1}%
315             \fi
316         \else
317             \addcontentsline{toc}{chapter}{#1}%
318             \fi
319             \chaptermark{#1}%
320             \addtocontents{lof}{\protect\addvspace{10\p@}}%
321             \addtocontents{lot}{\protect\addvspace{10\p@}}%
322             \if@twocolumn
323                 \topnewpage[\@makechapterhead{#2}]%
324             \else
325                 \@makechapterhead{#2}%
326                 \@afterheading
327             \fi}
328 \def\@makechapterhead#1{%
329     \vspace*{50\p@}%
330     {\parindent \z@ \raggedright \normalfont
331       \ifnum \c@secnumdepth >\m@ne
332         \if@mainmatter
333             \huge\bfseries \thechapter\space\@chapapp
334             \par\nobreak
335             \vskip 20\p@
336         \fi
337       \fi
338       \interlinepenalty\@M
339       \Huge \bfseries #1\par\nobreak
340       \vskip 40\p@
341     }}
342 \def\@schapter#1{\if@twocolumn
343     \topnewpage[\@makeschapterhead{#1}]%
344   \else
345     \@makeschapterhead{#1}%
346     \@afterheading
347   \fi}
348 \def\@makeschapterhead#1{%
349     \vspace*{50\p@}%
350     {\parindent \z@ \raggedright
351       \normalfont
352       \interlinepenalty\@M
353       \Huge \bfseries #1\par\nobreak
354       \vskip 40\p@
355     }}
356 \newcommand\section{\@startsection {section}{1}{\z@}%
357     {-3.5ex \@plus -1ex \@minus -.2ex}%
358     {2.3ex \@plus.2ex}%
359     {\normalfont\Large\bfseries}}
360 \newcommand\subsection{\@startsection{subsection}{2}{\z@}%
361     {-3.25ex \@plus -1ex \@minus -.2ex}%
362     {1.5ex \@plus .2ex}%

```

```

363                                     {\normalfont\large\bfseries}}
364 \newcommand\subsubsection{\@startsection{subsubsection}{3}{\z@}%
365                                     {-3.25ex\@plus -1ex \@minus -.2ex}%
366                                     {1.5ex \@plus .2ex}%
367                                     {\normalfont\normalsize\bfseries}}
368 \newcommand\paragraph{\@startsection{paragraph}{4}{\z@}%
369                                     {3.25ex \@plus 1ex \@minus .2ex}%
370                                     {-1em}%
371                                     {\normalfont\normalsize\bfseries}}
372 \newcommand\subparagraph{\@startsection{subparagraph}{5}{\parindent}%
373                                     {3.25ex \@plus 1ex \@minus .2ex}%
374                                     {-1em}%
375                                     {\normalfont\normalsize\bfseries}}
376 \if@twocolumn
377   \setlength\leftmargini {2em}
378 \else
379   \setlength\leftmargini {2.5em}
380 \fi
381 \leftmargin \leftmargini
382 \setlength\leftmarginii {2.2em}
383 \setlength\leftmarginiii {1.87em}
384 \setlength\leftmarginiv {1.7em}
385 \if@twocolumn
386   \setlength\leftmarginv {.5em}
387   \setlength\leftmarginvi {.5em}
388 \else
389   \setlength\leftmarginv {1em}
390   \setlength\leftmarginvi {1em}
391 \fi
392 \setlength \labelsep {.5em}
393 \setlength \labelwidth{\leftmargini}
394 \addtolength\labelwidth{-\labelsep}
395 \@beginparpenalty -\@lowpenalty
396 \@endparpenalty -\@lowpenalty
397 \@itempenalty -\@lowpenalty
398 \renewcommand\theenumi{\@arabic\c@enumi}
399 \renewcommand\theenumii{\@alph\c@enumii}
400 \renewcommand\theenumiii{\@roman\c@enumiii}
401 \renewcommand\theenumiv{\@Alph\c@enumiv}
402 \newcommand\labelenumi{\theenumi.}
403 \newcommand\labelenumii{(\theenumii)}
404 \newcommand\labelenumiii{\theenumiii.}
405 \newcommand\labelenumiv{\theenumiv.}
406 \renewcommand\p@enumii{\theenumi}
407 \renewcommand\p@enumiii{\theenumi(\theenumii)}
408 \renewcommand\p@enumiv{\p@enumiii\theenumiii}
409 \newcommand\labelitemi{\textbullet}
410 \newcommand\labelitemii{\normalfont\bfseries \textendash}
411 \newcommand\labelitemiii{\textasteriskcentered}
412 \newcommand\labelitemiv{\textperiodcentered}

```

```

413 \newenvironment{description}
414     {\list{}{\labelwidth\z@ \itemindent-\leftmargin
415             \let\makelabel\descriptionlabel}}
416     {\endlist}
417 \newcommand*\descriptionlabel[1]{\hspace\labelsep
418                                \normalfont\bfseries #1}
419 \newenvironment{verse}
420     {\let\\@centercr
421      \list{}{\itemsep \z@
422              \itemindent -1.5em%
423              \listparindent\itemindent
424              \rightmargin \leftmargin
425              \advance\leftmargin 1.5em}%
426      \item\relax}
427     {\endlist}
428 \newenvironment{quotation}
429     {\list{}{\listparindent 1.5em%
430             \itemindent \listparindent
431             \rightmargin \leftmargin
432             \parsep \z@ \@plus\p@}%
433     \item\relax}
434     {\endlist}
435 \newenvironment{quote}
436     {\list{}{\rightmargin\leftmargin}%
437     \item\relax}
438     {\endlist}
439 \if@compatibility
440 \newenvironment{titlepage}
441     {%
442     \cleardoublepage
443     \if@twocolumn
444     \@restonecoltrue\onecolumn
445     \else
446     \@restonecolfalse\newpage
447     \fi
448     \thispagestyle{empty}%
449     \setcounter{page}\z@
450     }%
451     {\if@restonecol\twocolumn \else \newpage \fi
452     }
453 \else
454 \newenvironment{titlepage}
455     {%
456     \cleardoublepage
457     \if@twocolumn
458     \@restonecoltrue\onecolumn
459     \else
460     \@restonecolfalse\newpage
461     \fi
462     \thispagestyle{empty}%

```

```

463     \setcounter{page}\@ne
464   }%
465   {\if@restonecol\twocolumn \else \newpage \fi
466     \if@twoside\else
467       \setcounter{page}\@ne
468     \fi
469   }
470 \fi

\appendix In order to correctly modify the appendix environment, an extra dot is added to
the \gdef\thechapter{\@Alph\c@chapter} code line:
471 \newcommand\appendix{\par
472   \setcounter{chapter}{0}%
473   \setcounter{section}{0}%
474   \gdef\@chapapp{\appendixname}%
475   \gdef\thechapter{\@Alph\c@chapter.}}
476 \setlength\arraycolsep{5\p@}
477 \setlength\tabcolsep{6\p@}
478 \setlength\arrayrulewidth{.4\p@}
479 \setlength\doublerulesep{2\p@}
480 \setlength\tabbingsep{\labelsep}
481 \skip\@mpfootins = \skip\footins
482 \setlength\fbxsep{3\p@}
483 \setlength\fbxrule{.4\p@}
484 \@addtoreset {equation}{chapter}
485 \renewcommand\theequation
486   {\ifnum \c@chapter>\z@ \thechapter.\fi \@arabic\c@equation}
487 \newcounter{figure}[chapter]

\thefigure Similarly, an extra dot is added in \thefigure:
488 \renewcommand \thefigure
489   {\ifnum \c@chapter>\z@ \thechapter\fi \@arabic\c@figure.}
490 \def\fps@figure{tbp}
491 \def\ftype@figure{1}
492 \def\ext@figure{lof}

\fnum@figure The order between \figurename and \thefigure is changed. On the other hand,
\textbf{} command is added:
493 \def\fnum@figure{\textbf{\thefigure\nobreakspace\figurename}}
494 \newenvironment{figure}
495   {\@float{figure}}
496   {\end@float}
497 \newenvironment{figure*}
498   {\@dblfloat{figure}}
499   {\end@dblfloat}
500 \newcounter{table}[chapter]

\thetable The same changes as in \thefigure and \fnum@figure are applied to \thetable
\fnum@table and \fnum@table:
501 \renewcommand \thetable
502   {\ifnum \c@chapter>\z@ \thechapter\fi \@arabic\c@table.}

```

```

503 \def\fps@table{tbp}
504 \def\ftype@table{2}
505 \def\ext@table{lot}
506 \def\fnm@table{\textbf{\thetable\nobreakspace\tablename}}
507 \newenvironment{table}
508         {\@float{table}}
509         {\end@float}
510 \newenvironment{table*}
511         {\@dblfloat{table}}
512         {\end@dblfloat}
513 \newlength\abovecaptionskip
514 \newlength\belowcaptionskip
515 \setlength\abovecaptionskip{10\p@}

\belowcaptionskip The length of \belowcaptionskip is changed from 0p@ to 10p@ in order to improve
the readability of the captions of figures and tables:

516 \setlength\belowcaptionskip{10\p@}

\captionwidth For the same reason, the width for table and figure captions is redefined:

517 \newlength{\@contcwidth}
518 \newcommand{\captionwidth}[1]{\setlength{\@contcwidth}{#1}}
519 \captionwidth{0.85\textwidth}

\@makecaption The “.” is changed by \textbf{.} in the caption environment. Moreover, the font
size of the caption is changed to \small and the new caption width is applied2:

520 \long\def\@makecaption#1#2{%
521 \centering
522 \parbox{\@contcwidth}{
523 \vskip\abovecaptionskip
524 \sbox\@tempboxa{\small #1\textbf{.} #2}%
525 \ifdim \wd\@tempboxa >\hsize
526 \small #1\textbf{.} #2\par
527 \else
528 \global \@minipagefalse
529 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
530 \fi
531 \vskip\belowcaptionskip}%end parbox
532 } %end @makecaption
533 \DeclareOldFontCommand{\rm}{\normalfont\rmfamily}{\mathrm}
534 \DeclareOldFontCommand{\sf}{\normalfont\sffamily}{\mathsf}
535 \DeclareOldFontCommand{\tt}{\normalfont\ttfamily}{\mathtt}
536 \DeclareOldFontCommand{\bf}{\normalfont\bfseries}{\mathbf}
537 \DeclareOldFontCommand{\it}{\normalfont\itshape}{\mathit}
538 \DeclareOldFontCommand{\sl}{\normalfont\slshape}{\@nomath\sl}
539 \DeclareOldFontCommand{\sc}{\normalfont\scshape}{\@nomath\sc}
540 \DeclareRobustCommand*\cal{\@fontswitch\relax\mathcal}
541 \DeclareRobustCommand*\mit{\@fontswitch\relax\mathnormal}
542 \newcommand\@pnumwidth{1.55em}

```

²Changes applied in the caption environment are the main changes from version v1.05 to version v1.20.

```

543 \newcommand\@tocrmarg{2.55em}
544 \newcommand\@dotsep{4.5}
545 \setcounter{tocdepth}{2}
546 \newcommand\tableofcontents{%
547   \if@twocolumn
548     \@restonecoltrue\onecolumn
549   \else
550     \@restonecolfalse
551   \fi
552   \chapter*{\contentsname
553     \@mkboth{\%
554       \MakeUppercase\contentsname}{\MakeUppercase\contentsname}}%
555   \@starttoc{toc}%
556   \if@restonecol\twocolumn\fi
557 }
558 \newcommand*\l@part[2]{%
559   \ifnum \c@tocdepth >-2\relax
560     \addpenalty{-\@highpenalty}%
561     \addvspace{2.25em \@plus\p@}%
562     \setlength\@tempdima{3em}%
563     \begingroup
564       \parindent \z@ \rightskip \@pnumwidth
565       \parfillskip -\@pnumwidth
566       {\leavevmode
567         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
568       \nobreak
569       \global\@nobreaktrue
570       \everypar{\global\@nobreakfalse\everypar{}}%
571     \endgroup
572   \fi}
573 \newcommand*\l@chapter[2]{%
574   \ifnum \c@tocdepth >\m@ne
575     \addpenalty{-\@highpenalty}%
576     \vskip 1.0em \@plus\p@
577     \setlength\@tempdima{1.5em}%
578     \begingroup
579       \parindent \z@ \rightskip \@pnumwidth
580       \parfillskip -\@pnumwidth
581       \leavevmode \bfseries
582       \advance\leftskip\@tempdima
583       \hskip -\leftskip
584       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
585       \penalty\@highpenalty
586     \endgroup
587   \fi}
588 \newcommand*\l@section{\@dottedtocline{1}{1.5em}{2.3em}}
589 \newcommand*\l@subsection{\@dottedtocline{2}{3.8em}{3.2em}}
590 \newcommand*\l@subsubsection{\@dottedtocline{3}{7.0em}{4.1em}}
591 \newcommand*\l@paragraph{\@dottedtocline{4}{10em}{5em}}
592 \newcommand*\l@subparagraph{\@dottedtocline{5}{12em}{6em}}

```

```

593 \newcommand\listoffigures{%
594     \if@twocolumn
595         \@restonecoltrue\onecolumn
596     \else
597         \@restonecolfalse
598     \fi
599     \chapter*{\listfigurename}%
600     \@mkboth{\MakeUppercase\listfigurename}%
601             {\MakeUppercase\listfigurename}%
602     \@starttoc{lof}%
603     \if@restonecol\twocolumn\fi
604 }
605 \newcommand*{\l@figure{\@dottedtocline{1}{1.5em}{2.3em}}
606 \newcommand\listoftables{%
607     \if@twocolumn
608         \@restonecoltrue\onecolumn
609     \else
610         \@restonecolfalse
611     \fi
612     \chapter*{\listtablename}%
613     \@mkboth{%
614         \MakeUppercase\listtablename}%
615         {\MakeUppercase\listtablename}%
616     \@starttoc{lot}%
617     \if@restonecol\twocolumn\fi
618 }
619 \let\l@table\l@figure
620 \newdimen\bibindent
621 \setlength\bibindent{1.5em}
622 \newenvironment{thebibliography}[1]
623     {\chapter*{\bibname}%
624     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
625     \list{\@biblabel{\@arabic{c@enumiv}}}%
626         {\settowidth\labelwidth{\@biblabel{#1}}%
627         \leftmargin\labelwidth
628         \advance\leftmargin\labelsep
629         \@openbib@code
630         \usecounter{enumiv}%
631         \let\p@enumiv\@empty
632         \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
633     \sloppy
634     \clubpenalty4000
635     \@clubpenalty \clubpenalty
636     \widowpenalty4000%
637     \sfcode'\.\@m}
638 {\def\@noitemerr
639     {\@latex@warning{Empty 'thebibliography' environment}}}%
640     \endlist}
641 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
642 \let\@openbib@code\@empty

```



```

643 \newenvironment{theindex}
644     {\if@twocolumn
645       \@restonecolfalse
646       \else
647         \@restonecoltrue
648       \fi
649       \twocolumn[\@makeschapterhead{\indexname}]\%
650       \@mkboth{\MakeUppercase\indexname}\%
651       {\MakeUppercase\indexname}\%
652       \thispagestyle{plain}\parindent\z@
653       \parskip\z@ \@plus .3\p@\relax
654       \columnseprule \z@
655       \columnsep 35\p@
656       \let\item\@idxitem}
657     {\if@restonecol\onecolumn\else\clearpage\fi}
658 \newcommand\@idxitem{\par\hangindent 40\p@}
659 \newcommand\subitem{\@idxitem \hspace*{20\p@}}
660 \newcommand\subsubitem{\@idxitem \hspace*{30\p@}}
661 \newcommand\indexspace{\par \vskip 10\p@ \@plus5\p@ \@minus3\p@\relax}
662 \renewcommand\footnoterule{\%
663   \kern-3\p@
664   \hrule\@width.4\columnwidth
665   \kern2.6\p@}
666 \@addtoreset{footnote}{chapter}
667 \newcommand\@makefnmark[1]{\%
668   \parindent 1em%
669   \noindent
670   \hb@xt@1.8em{\hss\@makefnmark}\#1}

\contentsname The names for the table of contents, list of figures, list of tables, bibliography, etc.
\listfigurename are defined in Basque taking into account the uppercase and lowercase letters3:
\listtablename
\bibname 671 \newcommand\contentsname{Aurkibidea}
\indexname 672 \newcommand\listfigurename{Irudien zerrenda}
\figurename 673 \newcommand\listtablename{Taulen zerrenda}
674 \newcommand\bibname{Bibliografia}
675 \newcommand\indexname{Indizea}
676 \newcommand\figurename{irudia}
677 \newcommand\tablename{taula}
678 \newcommand\partname{atala}
679 \newcommand\chaptername{k\vspace{0.01cm}apitulua}
680 \newcommand\appendixname{eranskina}

\today Finally, the current date is defined using the command \eusdata provided by the
package basque-date (available from CTAN):
681 \def\today{\eusdata}
682 \setlength\columnsep{10\p@}
683 \setlength\columnseprule{0\p@}
684 \pagestyle{headings}

```

³Uppercase and lowercase letters are not correctly addressed by the basque babel package. For this reason, the use of this package is not recommended.

```
685 \pagenumbering{arabic}  
686 \if@twoside  
687 \else  
688   \raggedbottom  
689 \fi  
690 \if@twocolumn  
691   \twocolumn  
692   \sloppy  
693   \flushbottom  
694 \else  
695   \onecolumn  
696 \fi
```