# LaTeX class and style files for my own local use

Dominik Wujastyk

Draft of January 27, 2024

## Contents

1 XeLaTeX stuff 2

2 Used at different times 2

3 Multilingual macros 2

4 Packages that Polyglossia now auto-loads 3

5 Sanskrit hyphenation 4

6 Misc. 5

7 Marginal note hacks 5

8 Stacked diacritics 6

9 Private abbreviations 6

10 Nice hanging-indent footnotes 6

11 Normal LaTeX settings now 7

12 From article.cls 8

13 BibLaTeX 10

Index of macro definitions 17

This file started to look like this in about 2016-04-01

# 1 XeLaTeX stuff

Normalize any residual Unicode combining accents, and write out error messages, if any:

XeLaTeX internals

```
\XeTeXinputnormalization=1
\tracinglostchars=1
\tracingonline=1
\XeTeXgenerateactualtext=1
```

# 2 Used at different times

Commented out.

hyperref

pdfx

```
%\usepackage[final=true]{hyperref}
%\usepackage[a-1b]{pdfx} % get an archival PDF
```

# 3 Multilingual macros

from: Stackexchange.

etex Not used

```
%\usepackage{etex}
%\reserveinserts{28}
%\usepackage{xcolor}
```

polyglossia Set up various fonts and languages.

```
\usepackage{polyglossia}
\defaultfontfeatures{%
  Mapping=tex-text,
  %Color=red,
  Numbers=OldStyle,
  %Renderer=ICU
} % not Harfbuzz yet

\setmainlanguage[variant=british]{english}
```

Main document font:

```
% \setmainfont[AutoFakeBold=1.5]{EB Garamond 12}
\setmainfont%[BoldFont = * Bold] % tlpretest 2019
% (See https://tug.org/pipermail/tex-live/2019-March/043211.html)
% {Linux Libertine O} % lovely, but use Libertinus
% {fbb} % also lovely - Bembo, but no underdot
% {Tinos} % a croscore font; good diacritics
{TeX Gyre Pagella}
% {IndUni-P}
% {Lucida Sans Unicode}
% {Libertinus Serif} % something funny with overlapping chars in bold 2019-05
```

## 4 Packages that Polyglossia now auto-loads

polyglossia automatically loads: fixltx2e, etex, xunicode, fontspec. But we still need `metalogo` for the definitions of logos like `\XeLaTeX`.

```
\usepackage{metalogo}
% \usepackage{xunicode} % get unicode encoding in PDF even when using
% \= etc.  Not needed at present.
```

Getting properly-hyphenated Sanskrit:

```
\setotherlanguage{sanskrit}  % for transliterated Sanskrit
\newfontfamily\sanskritfont
[Script=Latin]
% [Script=Devanagari]
% {Linux Libertine O}  %Transliteration only in this font
{TeX Gyre Pagella}  %Transliteration only in this font
% {IndUni-P} %Transliteration only in this font
% {Brill} %Transliteration only in this font
% {Sanskrit 2003} % Roman and Devanagari
```

Define `\sansk{}` which is the same as `\emph{}`, except that it causes appropriate hyphenation for Sanskrit words. Use `\sansk{}` for Sanskrit and `\emph{}` for English.

```
\newcommand{\sansk}[1]{\emph{\textsanskrit{#1}}}
\let\iast=\sansk %better name for it
\let\rsan=\sansk
```

Now define the Devanagari font: input using standard IAST transliteration

```
\newfontfamily\devanagarifont
[Script=Devanagari,
% FakeStretch=1.05,
```

```
Mapping=RomDev, %prefer slightly to iast
]
% {Sahadeva}
% {Sanskrit  2003}
{Tiro Devanagari Sanskrit}

% \newcommand{\dev}[1]{\textdevanagari{#1}} % test this 2018-10
\newcommand{\dev}[1]{\textsanskrit{\devanagarifont #1}} % test this 2020-01
\let\dsan=\devanagarifont
\let\dn=\devanagarifont

\setotherlanguage{bengali}
\newfontfamily\bengalifont
[Script=Bengali]
% {Sahadeva}
{Noto Serif Bengali}
```

Use: `\textbengali{ }`

And other languages

```
\setotherlanguage{german}
\setotherlanguage{french}
```

will call appropriate hyphenation.

Chinese, Japanese, Korean

```
\newfontfamily\cjkfont{Noto Sans CJK SC} %
% [Script=CJK,Mapping=tex-text,Scale=MatchLowercase]
% {IPAexMincho}
% {TakaoPGothic}
\let\cjk\cjkfont
```

https://tex.stackexchange.com/questions/376420/include-chinese-characters-into-article-in-xelatex

Classical Greek:

```
\setotherlanguage{greek}
\newfontfamily\greekfont[Script=Greek,Mapping=tex-text]{GFS Didot}
%{GFS Porson}
%{GFS Philostratos}
```

End of polyglossia stuff.

## 5 Sanskrit hyphenation

`hyphenations` A cumulative hyphenation exception file, `sanskrit-hyphenations.tex`, adds numerous hand-tuned hyphenation points to the default Polyglossia

hyphenation rules for Sanskrit. This file needs to be `\input` after the start of the document. Normally, we'd do this with `\AtBeginDocument`, but for obscure reasons, that doesn't work. So we have to add the `\input` statement by hand at the start of every document, immediately after `\begin{document}`.

```
%\AtBeginDocument{\input{sanskrit-hyphenations.tex}} % this doesn't work :-(
```

## 6 Misc.

csquotes
graphicx

```
\usepackage[style=british]{csquotes} % error in log if not included
\usepackage{graphicx}
```

## 7 Marginal note hacks

Not used:

```
% \usepackage{marginfix}
```

simple marginal query, now superseded:

```
% \newcommand{\q}[1]{%
%    \marginpar{%
%%        \rlap{%
%            \fbox{\vtop{\hsize 0.2\textwidth\raggedright\tiny#1}}}}
%            %}
```

Actually, `todonotes` makes nicer marginal comments:

todonotes

```
\usepackage[colorinlistoftodos,
%    disable,
textsize=tiny,
obeyDraft,
textwidth=.11\textwidth,
loadshadowlibrary,
shadow,
backgroundcolor=yellow
]{todonotes}
    \setuptodonotes{fancyline}

% Now renew the \q command to use \todo:
\newcommand{\q}[1]{\todo{#1}}
% \AtEndDocument{\newpage\listoftodos } %print the todo list
% at the end,
% when in draft mode
```

## 8 Stacked diacritics

\diatop \diatop, by Christina Thiele, used for r underdot overbar (r̲̄, F6, 246) See *TeXniques: Conference Proceedings* 1987, no. 5, p. 11. (https://tug.org/texniques/)

```
\def\diatop[#1|#2]{\leavevmode{\setbox1=\hbox{{#1{}}}\setbox2=\hbox{{#2{}}}%
        \dimen0=\ifdim\wd1>\wd2\wd1\else\wd2\fi%
        \dimen1=\ht2\advance\dimen1by-1ex%
        \setbox1=\hbox to1\dimen0{\hss#1\hss}%
        \rlap{\raise1\dimen1\box1}%
        \hbox to1\dimen0{\hss#2\hss}}}%
```

E.g. of use: \diatop[\'ō]| gives u macron acute

## 9 Private abbreviations

\AD etc.

```
\newcommand{\AD}{\textsc{ce}{}}
\newcommand{\BC}{\textsc{bce}{}}
\newcommand{\BCE}{\textsc{bce}{}}
\newcommand{\CE}{\textsc{ce}{}}
\providecommand{\Cs}{\emph{Caraka\-saṃ\-hitā}}
\providecommand{\Ss}{\emph{Suśruta\-saṃ\-hitā}}
\let\CS\Cs
\let\SS\Ss
\providecommand{\AH}{\emph{Aṣṭāṅga\-hṛdaya\-saṃ\-hitā}}
% \newcommand{\saneng}[2]{#2 (\sansk{#1})} % now in
% xelatex-indexing-xindex.sty
\newcommand{\PYS}{PYŚ} %{Pātañjala\-yoga\-śāstra}
\newcommand{\YSV}{\sansk{Yogasūtravivaraṇa}}
\newcommand{\sutra}[1]{\textbf{\large #1}\par}
```

## 10 Nice hanging-indent footnotes

\hangfootnotes LaTeX Companion, p.73. Not used.

```
% \def\hangfootnotes{%
% \renewcommand{\@makefntext}[1]{\setlength{\parindent}{0pt}%
%  \begin{list}{}{\setlength{\labelwidth}{1.5em}%
%    \setlength{\leftmargin}{\labelwidth}%
%    \setlength{\labelsep}{3pt}\setlength{\itemsep}{0pt}%
%    \setlength{\parsep}{0pt}\setlength{\topsep}{0pt}%
%    \footnotesize}\item[\hfill\@makefnmark]##1%
```

```
% \end{list}}%
%}
```

But the above is broken by bigfoot (too much vertical space)

Footnotes with hanging indents adapted from http://www.ceus-now.com/raggedright-in-footnotes-with-hanging-indent/

```
\newcommand\hangfootnotes{%
    \long\def\@makefntext##1{\leftskip=1.8em\hskip-1.8em\hb@xt@1.8em
    {\@thefnmark\hss}##1}}
```

## 11 Normal LaTeX settings now

```
\setcounter{secnumdepth}{0}
```

enumitem

```
\usepackage[inline]{enumitem}   % supersedes mdwlist: does it globally
 \setlist{itemsep=.5em,
     %labelindent=\parindent,
     %leftmargin=*,
 }

% \usepackage{makeidx} % leave this to xelatex-indexing.sty
```

multicol (*env.*)
longtable (*env.*)
array (*env.*)

```
\usepackage{multicol}
% \multicolsep = 12pt plus 4pt minus 3pt % default
\multicolsep = 1pt plus .25ex % like the starred environments
\usepackage{longtable}
\usepackage{array}
% \usepackage{index}    % multiple indexes. Doesn't play well with Beamer
\widowpenalty 4000
\clubpenalty 300
\brokenpenalty 5000
\interfootnotelinepenalty 10 % lets notes break more easily
\vfuzz2pt % Don't report over-full v-boxes if over-edge is small
\hfuzz2pt % Don't report over-full h-boxes if over-edge is small
\emergencystretch .1\textwidth

\hyphenation{dharam-pal wuj-as-tyk never-the-less nutri-tive
  asoka kerala Aristotle Alex-ander Majno manu-script manu-scripts}
```

Command to draw a box where the pictures will go:

```
\newcommand{\pretendpicture}
  {{\centering \fbox{\vrule width0pt height 2.5in depth0pt
     \vrule width 4in height0pt depth0pt }\par }}
```

use as follows:

```
\begin{figure}[htp]
\begin{center}
 \pretendpicture
\end{center}
\caption{}
\label{fig: }
\end{figure}
```

## 12 From article.cls

This isn't used.

```
% \typeout{Wujastyk: NB: Modified maketitle command, flush
% left and no array for authors.}

% \providecommand\@maketitle{%
%  \newpage
%  \null
%  \vskip 2em%
%%  \begin{center}%
%  \let \footnote \thanks
%    \noindent{\LARGE \@title \par}%
%    \vskip 1.5em%
%   \noindent {\large
%      \lineskip .5em%
%%      \noindent
%%      \begin{tabular}[t]{l} %DW
%      \@author
%%      \end{tabular}\par  %DW
%     }%
%    \vskip 1em%
%   \noindent {\large \@date}%
%%  \end{center}%
%  \par
%  \vskip 3em} %DW  was 1.5em
```

sloka See http://cs.wlu.edu/~necaise/refs/latex2e/env-list.4.html Not used:

```
% \newenvironment{sloka} % based on {verse}, from book.cls
%               {\let\\\@centercr
%                \list{}{\itemsep  \z@
%                        \topsep .1\baselineskip
```

```
% \parsep .25\baselineskip
% \itemindent   -1.5em%
% \listparindent\itemindent
% \rightmargin  \z@
% \leftmargin 3pc % = CUP's \SFB@indent
% \advance\leftmargin 1.5em}%
% \item\itshape\relax}
% {\endlist}
```

Here's another version from book.cls, based on the quote environment

```
  \newenvironment{sloka}
  {\list{}{\rightmargin\leftmargin}%
   \item\itshape\relax}
{\endlist}
```

`\PreliminaryNote` Preliminary numberless "footnote" for abbreviations, grant references, and other general initial statements.

```
\newcommand{\PreliminaryNote}[1]{%
{\def\thefootnote{\relax }%
 \footnotetext{\hspace*{-2.3em} %only if not using \hangfootnotes
  #1}}}

\newcommand{\doublespacing}{%
  \renewcommand{\baselinestretch}{1.5}
  \addtolength{\footnotesep}{0.5\footnotesep}}
```

The following not used.

```
% \usepackage{cclicenses}
% \let\DWolddate\date
% \renewcommand{\date}[1]{\DWolddate{#1\\ \cc \ccby \ccnc \ccsa }}
```

## 13 BibLaTeX

BibLaTeX Load the BibLaTeX package and the oxyear style, and set the various options.

```
\usepackage[%
backend=biber,
%style=authoryear-icomp,
% Make idem and ibidem behave appropriately:
%\url{https://tex.stackexchange.com/questions/61717/biblatex-strictly-identical-footnote-ci
% (and see \newbibmacro*{cite:ibid} below).
%ibidpage,
%idemtracker=false,
%style=authoryear,
%uniquename=false,
% oxref:
style=oxyear,
dashed=true,
% end oxref
%bibstyle=publist,
%marginyear=true,
%style=verbose-trad1,
%
% I finally worked out how to sort cites by year and bibliography by name
%
%\url{https://cikitsa.blogspot.ca/2017/07/biblatex-citations-and-bibliography.html}
sorting=ynt,  %ynt for the citations in date order; nyt otherwise
sortcites=true,
%sortlocale=en-GB,
backref=false,
date=comp,
datecirca=true,
dateuncertain=true,
bibencoding=auto,
hyperref=auto,
isbn=true,
doi=true,
language=auto,
natbib=true,
texencoding=auto,
url=true,
urldate=short,
usetranslator=true,
useprefix=true,% van Nooten
giveninits=false, % Give first names in the bibliography.  See
%\url{https://github.com/alex-ball/biblatex-oxref/issues/17#issuecomment-843383550}
```

```
%maxnames=1, % before "et al."
%uniquelist=false,
%refsection=section,
%bibstyle=manuscripts, % invokes biblatex-manuscripts-philology
]{biblatex}

\ExecuteBibliographyOptions[% for biblatex-oxyear
article,
book,
mvbook,
mvcollection,
inbook,
incollection,
inreference,
collection,
reference,
mvreference]{useeditor=true,
    usetranslator=true,
%    uniquename=full
}
```

`compyear` Patch so that date-abbreviations aren't just one digit. Kindly supplied by Alex Ball, https://github.com/alex-ball/biblatex-oxref/issues/19

```
\renewcommand{\blx@ox@compyear}[2]{%
    \def\num@one{#1}%
    \def\num@two{#2}%
    \StrLen{\num@one}[\num@one@len]%
    \StrLen{\num@two}[\num@two@len]%
    \ifboolexpr{
        test {\ifnumequal{\num@one@len}{\num@two@len}}
        and
        test {\ifnumless{\num@one}{\num@two}}
    }{%
        \StrCompare{\num@one}{\num@two}[\Result]%
        \ifnum\num@two@len>3%
        \IfStrEq{\Result}{2}{\def\Result{1}}{}%
        \fi
        %%% Extend the legal date compression behaviour to all entries
        \IfStrEq{\Result}{4}{\def\Result{3}}{}%
        %%% End of changes
        \StrGobbleLeft{0\num@two}{\Result}%
    }{\num@two}}
```

`bookeditor` I don't use this, now. patch of Sept 2019

https://mail.google.com/mail/u/0/#inbox/FMfcgxwDrHpMnGSkkqjMqHwCCdJqBLkC

```
%\makeatletter
%\xpatchbibmacro{bookeditor}{\global\undef\bbx@lasthash}{}{}{%
%    \wlog{INFO: oxyear fix no longer needed!}}
%\makeatother
```

assignrefcontextentries I finally discovered how to sort citations by year and bibliography entries by name (and see sorting, above).

https://cikitsa.blogspot.ca/2017/07/biblatex-citations-and-bibliography.html

```
\AtBeginDocument{\assignrefcontextentries[]{*}}
```

But this isn't working 2021-05 :-(

comma Following sections 3.10 and 4.7.5 of the BibLaTeX manual, put the comma *inside* the quotation marks of the title.

```
\DefineBibliographyExtras{british}{\DeclareQuotePunctuation{.,}}
```

printbibliography To avoid saying `\newrefcontext[sorting=nyt]` before `\printbibliography` in every document redefine `\printbibliography` (from biblatex.sty):

```
\renewrobustcmd*{\printbibliography}{%
 \newrefcontext[sorting=nyt] % added this line
    \begingroup
    \delimcontext{bib}%
    \edef\on@line{\on@line}%
    \@ifnextchar[%]
    {\blx@printbibliography}
    {\blx@printbibliography[]}}
```

volcite no "p." or "pp." in, for example, `\volcite`:

```
\DefineBibliographyStrings{english}{%
    page            = {},
    pages           = {},
    volume       = {},
}
```

addbibresource This isn't used, because we load different bibliographies in different documents.

```
% \addbibresource
%% [datatype=bibtex]
% {biblio4-utf8.bib}
```

urls biblatex documentation 4.11.2 and macros from biblatex.def Enable hot URLs for PDFs at Archive.org and Academia.edu

```
\newif\ifBibHiddenURLs
 %
\ifBibHiddenURLs
   \relax
\else
%
\DeclareFieldFormat{url}{%
    \ifhyperref
    {\\ \textsc{url: }\href{#1}{#1}} % added a newline to help with long URLs in PDFs
    {\textsc{url: }\nolinkurl{#1}}} %DW bug here
%
% Buddhist Digital Resource Center:
\DeclareFieldFormat{eprint:tbrc}{%
    \textsc{TBRC}\space
    \ifhyperref
    {\href{https://www.tbrc.org/\#!rid=#1}{\nolinkurl{#1}}}
    {\nolinkurl{#1}}}
%
\DeclareFieldFormat{eprint:ark}{%
 \textsc{ark:}\space
 \ifhyperref
 {\href{https://n2t.net/#1}{\nolinkurl{#1}}}
 {\nolinkurl{#1}}}
%
\DeclareFieldFormat{eprint:archive}{%
%    Internet Archive\addcolon\space
    \ifhyperref
%    {\href{http://archive.org/details/#1}{\nolinkurl{#1}}}
    {\href{http://archive.org/details/#1}{{\small Internet Archive}}}
    {\nolinkurl{#1}}}
\DeclareFieldAlias{eprint:archive.org}{eprint:archive}
\DeclareFieldAlias{eprint:Archive.org}{eprint:archive}

\DeclareFieldFormat{eprint:academia}{%
%    Academia.edu\addcolon\space
    \ifhyperref
    {\href{http://www.academia.edu/#1}{{\small Academia.edu}}}
    {\nolinkurl{#1}}}
\DeclareFieldAlias{eprint:academia.edu}{eprint:academia}

\DeclareFieldFormat{eprint:dli}{%
%    DLI\addcolon\space
```

```
    \ifhyperref
    {\href{http://www.dli.gov.in/cgi-bin/DBscripts/allmetainfo.cgi?barcode=#1/}{{\small
    Digital Library of India}}}
    {\nolinkurl{#1}}}
\DeclareFieldAlias{eprint:DLI}{eprint:dli}
\DeclareFieldFormat{eprint:jstor}{%
    \ifhyperref
    {\href{http://www.jstor.org/stable/#1}{{\small JSTOR}}}
    {\nolinkurl{#1}}}

\DeclareFieldFormat{eprint:google}{%
    \ifhyperref
    {\href{http://books.google.com/books?id=#1}{{\small Google books}}}
    {\nolinkurl{#1}}}
%
\DeclareFieldFormat{doi}{%
    \textsc{doi}\addcolon\space
    \ifhyperref
    {\href{https://doi.org/#1}{\nolinkurl{#1}}}
    {\nolinkurl{#1}}}
%
\fi
\BibHiddenURLsfalse
```

`citealias` Not used. Better done in individual documents.

```
%\defcitealias{meul-hist}{HIML}
%\defcitealias{ncc}{NCC}
%\defcitealias{bisw-bibl}{BSIMC}
```

`note` To make BibLaTeX notes print last, like addendums from http://tex.stackexchange.com/questions/138913/how-to-move-the-field-note-at-the-end-of-the-reference

```
\DeclareSourcemap{
    \maps[datatype=bibtex]{
        \map{
            \step[fieldsource=note, final]
            \step[fieldset=addendum, origfieldval, final]
            \step[fieldset=note, null]
        }
    }
}
```

`DeclareFieldFormat` Tweaks to make the citation form:- Author date: page

```
\DeclareFieldFormat{postnote}{#1}
```

```
\renewcommand{\postnotedelim}{:\,}
\renewcommand{\nameyeardelim}{ }
```

clearfield Suppress shorthands: http://tex.stackexchange.com/questions/57041/

Once again, I don't use this at present.

```
% \AtEveryCitekey{\clearfield{shorthand}}
```

csquotes

```
\usepackage{csquotes}
\setquotestyle{american} % american = double quotes
```

DeclareLabeldate BibLaTeX hacks to get pubstate (?forthcoming? etc.) behaving as it should BibLaTeX manual 4.5.10

```
\DeclareLabeldate{%
 \field{date}
 \field{year}
 \field{pubstate}
    \field{eventdate}
    \field{origdate}
    \field{urldate}
    \literal{nodate}
}
```

shorthandwidth Some magic from "moewe" at https://tex.stackexchange.com/questions/442749/biblatex-have-hyperref-links-point-to-the-shorthand-list that makes hyperlinks work from citations to a list of abbreviations.

```
\DeclareFieldFormat{shorthandwidth}{%
    \bibhypertarget{shorthand:\thefield{entrykey}}
    {#1}}

\DeclareFieldFormat{bibhyperref}{%
    \iffieldundef{shorthand}
    {\bibhyperref{#1}}
    {\bibhyperlink{shorthand:\thefield{entrykey}}{#1}}}
```

penalties Penalty settings to make URLs format better. From xurl documentation.

Currently not used.

```
%\usepackage{xurl}
%\setcounter{biburllcpenalty}{1}
%\setcounter{biburlucpenalty}{1}
%\setcounter{biburlnumpenalty}{1}
%% but Bib\LaTeX\  has this built in to it.
```

`volcite` No ”pp.” or “pages” in `\volcite` etc.

```
\DefineBibliographyStrings{english}{%
    page             = {},
    pages            = {},
}
```

`literal` Create a new data type in bibtex, @literal, which just prints the content of the title field.

```
\DeclareBibliographyDriver{literal}{%
    \newunit\newblock
    \printfield{title}%
    \finentry}
```

`DeclareSourcemap` It turns out that it’s the `langid` field that controls language-switching in bibliography entries, not `language`. Since I’ve always used `language`, this code will just write the content of the `language` field to the `langid` field, on the fly.

```
\DeclareSourcemap{
    \maps[datatype=bibtex]{
        \map{
            \step[fieldsource=lanuage,fieldtarget=langid]
        }
    }
}
```

That’s all, folks!

# Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.


**Symbols**

\# ..... 320
\, ..... 383
\- .. 108, 109, 112, 115
\= ..... 31
\@author ..... 169
\@centercr ..... 178
\@date ..... 173
\@ifnextchar .... 294
\@makefnmark .... 124
\@makefntext . 119, 128
\@maketitle .... 157
\@thefnmark .... 129
\@title ..... 163
\\ ..... 178, 202, 313
\␣ ..... 409

**A**

\AD ..... 104
\addbibresource ..
..... 302, 302
\addcolon .....
330, 339, 346, 363
\addtolength .... 199
\advance .... 100, 186
\AH ..... 112
array (env.) ..... 137
\assignrefcontextentries
..... 287, 287
\AtBeginDocument .
..... 73, 287
\AtEndDocument ... 95
\AtEveryCitekey . 385

**B**

\baselineskip 180, 181
\baselinestretch 198
\bbx@lasthash ... 284
\BC ..... 105
\BCE ..... 106
\begin ... 120, 161, 168
\begingroup .... 291
\bengalifont ..... 58
\BibHiddenURLsfalse
..... 369
\bibhyperlink ... 404
\bibhyperref .... 403
\bibhypertarget . 398
\BibLaTeX ..... 203
\blx@ox@compyear 264
\blx@printbibliography
..... 295, 296
\bookeditor .... 283
\box ..... 102
\brokenpenalty .. 145

**C**

\cc ..... 202
\ccby ..... 202
\ccnc ..... 202
\ccsa ..... 202
\CE ..... 107
\centering ..... 153
\citealias ..... 370
\cjk ..... 68
\cjkfont ..... 64, 68
\clearfield . 385, 385
\clubpenalty .... 144
\comma ..... 288
\compyear ..... 264
\CS ..... 110
\Cs ..... 108, 110
\csquotes .... 74, 386

**D**

\date ..... 201, 202
\DeclareBibliographyDriver
..... 414
\DeclareFieldAlias
335, 336, 343, 351
\DeclareFieldFormat
. 311, 317, 323,
329, 338, 345,
352, 357, 362,
382, 382, 397, 401
\DeclareLabeldate
..... 388, 388
\DeclareQuotePunctuation
..... 288
\DeclareSourcemap
.... 373, 418, 418
\def 98, 118, 128, 194,
265, 266, 276, 279
\defaultfontfeatures
..... 11
\defcitealias ....
.... 370, 371, 372
\DefineBibliographyExtras
..... 288
\DefineBibliographyStrings
..... 297, 410
\delimcontext ... 292
\dev ..... 52, 53
\devanagarifont ..
.... 44, 53, 54, 55
\diatop ..... 98
\dimen ..... 99,
100, 101, 102, 103
\dn ..... 55
\doublespacing .. 197
\dsan ..... 54
\DWolddate .. 201, 202

**E**

\edef ..... 293
\else ..... 99, 309

\emergencystretch 149
\emph . 41, 108, 109, 112
\end . . . . . 125, 170, 174
\endlist . . . . 188, 192
\enumitem . . . . . 131
environments:
  array . . . . . 137
  longtable . . . . 137
  multicol . . . . . 137
\etc. . . . . 104
\etex . . . . . 7
\ExecuteBibliographyOptions . . . . . 250

F
\fbox . . . . . 80, 153
\fi . . . . . 99, 277, 368
\field . . . 389, 390, 391, 392, 393, 394
\finentry . . . . . 417
\footnote . . . . . 162
\footnotesep . . . . 199
\footnotesize . . . 124
\footnotetext . . . 195

G
\global . . . . . 284
\graphicx . . . . . 74
\greekfont . . . . . 70

H
\hangfootnotes 118, 195
\hb@xt@ . . . . . 128
\hbox . . . . . 98, 101, 103
\hfill . . . . . 124
\hfuzz . . . . . 148
\href . 313, 320, 326, 332, 333, 341, 348, 354, 359, 365
\hsize . . . . . 80
\hskip . . . . . 128
\hspace . . . . . 195
\hss . . . . . 101, 103, 129
\ht . . . . . 100
\hyperref . . . . . 5
\hyphenation . . . . 150
\hyphenations . . . . 73

I
\iast . . . . . 42
\ifBibHiddenURLs . . . . . 305, 307
\ifboolexpr . . . . 269
\ifdim . . . . . 99
\iffieldundef . . . 402
\ifhyperref 312, 319, 325, 331, 340, 347, 353, 358, 364
\ifnum . . . . . 275
\ifnumequal . . . . 270
\ifnumless . . . . . 272
\IfStrEq . . . . 276, 279
\input . . . . . 73
\interfootnotelinepenalty . . . . . 146
\item . . . . 124, 187, 191
\itemindent . 182, 183
\itemsep . . . . 122, 179
\itshape . . . . 187, 191

L
\labelsep . . . . . 122
\labelwidth . 120, 121
\LARGE . . . . . 163
\large . . . 117, 165, 173
\LaTeX . . . . . 409
\leavevmode . . . . . 98
\leftmargin . . . . . 121, 185, 186, 190
\leftskip . . . . . 128
\let . . . . . 42, 43, 54, 55, 68, 110, 111, 162, 178, 201
\lineskip . . . . . 166
\list . . . . . 179, 190
\listoftodos . . . . . 95
\listparindent . . 183
\literal . . . . 395, 414
\long . . . . . 128
longtable (env.) . 137

M
\makeatletter . . . 283
\makeatother . . . . 286
\map . . . . . 375, 420
\maps . . . . . 374, 419
\marginpar . . . . . 78
multicol (env.) . . 137
\multicolsep . 138, 139

N
\nameyeardelim . . 384
\newbibmacro . . . . 208
\newblock . . . . . 415
\newcommand . . . . . 41, 52, 53, 77, 94, 104, 105, 106, 107, 113, 115, 116, 117, 127, 152, 193, 197
\newenvironment . . . . . 177, 189
\newfontfamily . . . . 33, 44, 58, 64, 70
\newif . . . . . 305
\newpage . . . . . 95, 158
\newrefcontext . . 290
\newunit . . . . . 415
\noindent . . . . . 163, 165, 167, 173
\nolinkurl . . . . . 314, 320, 321, 326, 327, 332, 334, 342, 350, 355, 360, 365, 366
\note . . . . . 373
\null . . . . . 159
\num@one . . . . . 265, 267, 272, 274
\num@one@len . 267, 270
\num@two . 266, 268, 272, 274, 281, 282
\num@two@len . . . . . 268, 270, 275

O
\on@line . . . . . 293

**P**

\par . . . . . 117, 154, 163, 170, 175
\parindent . . 119, 133
\parsep . . . . . 123, 181
\pdfx . . . . . 5
\penalties . . . . . 405
\polyglossia . . . . . 10
\postnotedelim . . 383
\PreliminaryNote 193
\pretendpicture . 152
\printbibliography . . . . . 289, 289
\printfield . . . . 416
\providecommand . . 108, 109, 112, 157
\PYS . . . . . 115

**Q**

\q . . . . . 77, 93, 94

**R**

\raggedright . . . . . 80
\raise . . . . . 102
\relax 187, 191, 194, 308
\renewcommand . . . . . 119, 198, 202, 264, 383, 384
\renewrobustcmd . 289
\reserveinserts . . . 8
\Result 274, 276, 279, 281
\rightmargin . 184, 190
\rlap . . . . . 79, 102
\rsan . . . . . 43

**S**

\saneng . . . . . 113
\sansk 41, 42, 43, 113, 116
\sanskritfont . . . . 33
\setbox . . . . . 98, 101
\setcounter . . . . . 130, 406, 407, 408
\setlength . . . 119, 120, 121, 122, 123
\setlist . . . . . 132
\setmainfont . . . 19, 20
\setmainlanguage . 18
\setotherlanguage . 32, 57, 62, 63, 69
\setquotestyle . . 387
\setuptodonotes . . 91
\SFB@indent . . . . 185
\shorthandwidth . 397
\sloka . . . . . 177
\small . . . . . 333, 341, 348, 354, 359
\space . . . 318, 324, 330, 339, 346, 363
\SS . . . . . 111
\Ss . . . . . 109, 111
\step 376, 377, 378, 421
\StrCompare . . . . 274
\StrGobbleLeft . . 281
\StrLen . . . . . 267, 268
\sutra . . . . . 117

**T**

\textbf . . . . . 117
\textdevanagari . . 52
\textsanskrit . . 41, 53
\textsc . . 104, 105, 106, 107, 313, 314, 318, 324, 363
\textwidth 80, 86, 149
\thanks . . . . . 162
\thefield . . . 398, 404
\thefootnote . . . . 194
\tiny . . . . . 80
\todo . . . . . 93, 94
\todonotes . . . . . 82
\topsep . . . . . 123, 180
\tracinglostchars . 2
\tracingonline . . . . 3
\typeout . . . . . 155

**U**

\undef . . . . . 284
\url . . . . . 207, 223, 243
\urls . . . . . 305
\usepackage . . 5, 6, 7, 9, 10, 29, 30, 74, 75, 76, 82, 131, 136, 137, 140, 141, 142, 200, 203, 386, 405

**V**

\vfuzz . . . . . 147
\volcite . . . . 297, 410
\vrule . . . . . 153, 154
\vskip 160, 164, 172, 176
\vtop . . . . . 80

**W**

\wd . . . . . 99
\widowpenalty . . . 143
\wlog . . . . . 285

**X**

\XeLaTeX␣internals 1
\XeTeXgenerateactualtext . . . . . 4
\XeTeXinputnormalization . . . . . 1
\xpatchbibmacro . 284

**Y**

\YSV . . . . . 116

**Z**

\z@ . . . . . 179, 184