

Multilingual bibliographies: The babelbib package

Harald Harders
h.harders@tu-bs.de

Version v1.27, 2009/06/18, printed June 19, 2009

Abstract

This package enables to generate multilingual bibliographies in cooperation with `babel`. Two approaches are possible: Each citation may be written in another language, or the whole bibliography can be typeset in a language chosen by the user.

In addition, the package supports commands to change the typography of the bibliographies.

The current version supports Afrikaans, Bahasa, Catalan, Danish, Dutch, English, Esperanto, Finnish, French,¹ Galician, German, Greek, Italian, Norwegian, Portuguese, Russian, Spanish, and Swedish. Please help me to add more languages.

Many of the standard and extended bibliography styles are available. Please read section 4.

If you have used version 0.1 of this package: The mechanism to change fonts have changed, please read section 5.

Have a look to `tugboat-babelbib.pdf` which includes detailed descriptions how to use and extend the babelbib bundle.

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¹Babelbib does not work with `frenchle` prior V5.987. Please update the frenchle package or use the native babel support for French, instead.

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1 Introduction

This package is a replacement for `bibgerm.sty` [2] with the aim to be extendable to other languages more easily. In addition, `babelbib` provides a more flexible typography of bibliographies without the need to change `bst` files. But there are two shortcomings: This package needs `babel.sty` [1] (thus, it does not work with `german.sty` or `ngerman.sty`), and it is written for $\text{\LaTeX} 2_\epsilon$ and does not work with plain \TeX .

The current version supports Afrikaans, Bahasa, Catalan, Danish, Dutch, English, Esperanto, Finnish, French,² Galician, German, Greek, Italian, Norwegian, Portuguese, Russian, Spanish, and Swedish.

If you have used version 0.1 of this package: The mechanism to change fonts have changed, please read section 5.

2 Usage

To use this package place

```
\usepackage{babelbib}
```

into the preamble of your document. The package loads all necessary language definitions for all files it knows that are loaded by `babel`.

By default, the language of the bibliographic keywords (“editor”, “page”, etc.) switches for each item to the language of the cited document.³ If all citations shall be written in the same language, add the option `fixlanguage` to the package call. Then, all bibliographies are typeset in the document’s main language. To change the bibliography’s language, use `\selectbiblanguage{(language)}`. This command only has an effect, if `fixlanguage` is set.

`babelbib` supports the \BIBTeX styles `babplain`, `babplai3`, `babalpha`, `babunsrt`, `bababbrv`, and `bababbr3` that correspond to the standard `bst` files, but include international support as well as flexible typography.⁴ As usual, you select the style using `\bibliographystyle{filename}`. In addition, the package supports the \BIBTeX style `babamsp1` which corresponds to `amsplain` by the \mathcal{AMS} . If you

²Babelbib does not work with `frenchle` prior V5.987. Please update the `frenchle` package or use the native `babel` support for French, instead.

³This is equivalent to using the package option `varlanguage`.

⁴The versions with the 3 in the filenames replace the second and later authors by *et al.*, if more than three authors are given.

want to use this style, you have to add the option `languagenames` to the call of the package. Default is `nolanguagenames`.

`\declarebtxcommands` If you don't like some of the keywords provided by `babelbib`, or if you want to use new ones, you are able to get these using the command `\declarebtxcommands`. It takes two arguments, where the first is the language for which you want to add or change keywords, and the second is the list of command definitions. It seems to be best to show that for an example. You may want to change the definitions for Ph.D. theses for English and German with new orthography (the defaults are "PhD thesis" resp. „Dissertation“). You can reach a change by the following code:

```
\declarebtxcommands{english}{%
  \def\btxphdthesis#1{\protect\foreignlanguage{english}{Ph.D.\ thesis}}%
}
\declarebtxcommands{ngerman}{%
  \def\btxphdthesis#1{\protect\foreignlanguage{ngerman}{Doktorarbeit}}%
}
```

You may change more than one command in one `\setbtxcommand` command. You just have to add more of the `\def...` lines. But please don't forget the percent sign at the end of the lines in order to avoid unwanted spaces in the output. The \mathcal{AMS} \tiny BIB\TeX style `amsplain` uses "Ph.D. thesis" instead of the default "PhD thesis" for `babamsp1`. If you want the same keyword as in the \mathcal{AMS} original, you can use the `\declarebtxcommands` line shown above.

3 Preparing the bib files

In order to use the feature of multilingual bibliographies, add the field `language` to every entry in your `bib` files. This field gives the language of the cited document, e. g.

```
@InBook{dieter1997a,
  editor =      {Dieter, George~E. and others},
  title =      {Materials Selection and Design},
  chapter =    {Effects of Composition, Processing, and Structure on
                Properties of Engineering Plastics},
  publisher =   {ASM International},
  year =       1997,
  volume =     20,
  series =     {ASM Handbook},
  pages =      {434--456},
  language =   {english},
  isbn =      {0-87170-386-6}
}
```

Then, the output of the document data (title, authors, series, etc.) is typeset with correct hyphenation patterns. Whether also the keywords ("edition", "pages", etc.) are switched to the citation language, depends on whether `fixlanguage` has been used. All languages that appear in the bibliography have to be loaded by `babel`.

`\setbtxfallbacklanguage` If the field `language` is missing, the citation is typeset using a fall-back language. By default, the document's main language (that one that is active at `\begin{document}`) is used. You can change the fall-back language by using `\setbtxfallbacklanguage{language}`, e.g.,

```
\setbtxfallbacklanguage{ngerman}
```

`babelbib` supports a couple of additional fields: `ISBN`, `ISSN`, `URL`, `URLDATE`, and `ANNOTE`. `ISBN` and `ISSN` take the ISBN or ISSN respectively. `URL` is the address of a WWW page while `URLDATE` is the date when the WWW page has been visited. The field `URL` is typeset using the command `\url` if available, e.g., if the user has loaded `url.sty`. Otherwise, `babelbib` defines a `\url` command which just calls `\texttt`. `ANNOTE` typesets annotations after each entry in the bibliography. By default, a quotation environment (starting with `\noindent`) is used. If the field `ANNOTELANGUAGE` is also given, the language is switched to the specified language. Otherwise the language of the keywords is used.

You can change the behaviour by redefining `\btxannotation{annotations}`. The annotations are only printed when the package option `annotate` is used.

`\biblanguage` If you want to use language-dependent commands as `\alsoname` in a bibliography that was produced with `fixlanguage` you will be surprised that the commands change the output depending on the language of the citation. If you want to write a field with the keyword language, you can use the command `\biblanguage`, e.g.,

```
@Article{abinger1988a,
  author = {Abinger, R. and Hammer, F. and Leopold, J. and others},
  title = {Gro"ssschaden an einem 300"=MW"Dampfturbosatz},
  journal = {Der Maschinenschaden},
  year = 1988,
  volume = 61,
  number = 2,
  pages = {58--60},
  language = {ngerman},
  note = {\biblanguage{\alsoname~\cite{abinger1990a}}}}
}
```

This will give the note "see also [...]" instead of "siehe auch [...]" when the bibliography uses English keywords.

4 Available bibliography styles

The `babelbib` bundle contains adapted versions of the standard bibliography styles `plain`, `unsrt`, `abbrv`, and `alpha`. They are called `babplain`, `babunsrt`, `bababbrv`, and `babalpha`, respectively. All variants write names in a special manner when more than one author is given. The first author is written "Lastname, Forename" while all other authors are written "Forename Lastname". This is done to emphasize the ordering by the lastname.

If you don't want this behaviour you can use additional variants that use the same notation for all names. By appending `-fl` to the style name, e.g.,

Table 1: Default values for the fonts in bibliographies. If no value is given, the standard font (normally upright roman) is used.

Element	Data types	Default value for \LaTeX style	
		<code>bababbrv</code> , <code>babalpha</code> <code>babplain</code> , <code>babunsrt</code>	<code>babamspl</code>
<code>name</code>	Authors, editors		
<code>lastname</code>	Lastnames of Authors, editors		
<code>title</code>	All kinds of titles	<code>\emph</code>	<code>\emph</code>
<code>jtitle</code>	Title of journal articles	<code>\emph</code>	<code>\emph</code>
<code>etal</code>	“ <i>et al.</i> ”	<code>\emph</code>	
<code>journal</code>	Journal name		
<code>publisher</code>	Publisher name		
<code>volume</code>	Volume (journal)		<code>\textbf</code>
<code>ISBN</code>	ISBN	<code>\MakeUppercase</code>	<code>\MakeUppercase</code>
<code>ISSN</code>	ISSN	<code>\MakeUppercase</code>	<code>\MakeUppercase</code>
<code>url</code>	URL	<code>\url</code>	<code>\url</code>
<code>urldate</code>	visiting date of URL		
<code>ordinal</code>	ordinal numbers in edition		

`babalpha-fl`, all names are written “Forename Lastname”. By appending `-lf`, e.g., `babalpha-lf`, all names are written “Lastname, Forename”.

The style `babamspl` is the `babelbib` equivalent to `amsplain`.

5 Customisation of the bibliography’s typography

In contrast to the standard and `germbib` `bst` files, the appearance of the different data types is not fixed for `bab*.bst`. There are commands for some data fields that determine the used font.

`\setbibliographyfont`

You can change some font specifications in the bibliography using the command `\setbibliographyfont{<element>}{}`, where `<element>` is a typographic element, listed in table 1. `` is a command that takes one argument, e.g. `\textbf`, `\emph`, or `\textsc`. If no suitable command is available, you have to define one, first. For example, you can get a bold italic font as follows:

```
\newcommand\textitbf[1]{\bfseries\itshape #1\}%
\setbibliographyfont{title}{\textitbf}%
```

As it can be seen in this example, the argument of the used font command mustn’t be specified in `\setbibliographyfont`.

5.1 Names

The `<element>` `name` changes the whole name of the author, including forename and lastname. If `lastname` is also specified, it changes the lastname within the font for the name. For example,

```
\setbibliographyfont{name}{\emph}  
\setbibliographyfont{lastname}{\MakeUppercase}
```

leads to `\emph{Harald \MakeUppercase{Harders}}` resp. “*Harald HARDERS*”.

By default, a colon is printed after the author names. If you want another sign, just redefine the command `\btxauthorcolon`:

```
\renewcommand\btxauthorcolon{,}
```

Unfortunately, it cannot detect if the name ends on a fullstop. Thus, things like “Harders, H.. *Title of document*” may appear.

5.2 URL’s

The font definition for `urldate` can also be used not to change the font but to provide a command that writes the date in the correct language, e.g., using the `isodate` package:

```
\usepackage[short]{isodate}  
\setbibliographyfont{urldate}{\printdate}
```

When using `urldate`, normally a string is printed between the url itself and the the date, e.g., in English “`http://www.dante.de`, visited on 2005-11-11”. The string is “`, visited on`”. This is reached by the definition of the internal command `\btxurldatecomment`, e.g., for English

```
\def\btxurldatecomment#1{%  
  \protect\foreignlanguage{english}{, visited on #1}%  
}
```

You can change this command, for example, to typeset the date in brackets:

```
\declarebtxcommands{english}{%  
  \def\btxurldatecomment#1{ [#1]}%  
}
```

Be sure not to forget the leading space. It is necessary to be able to begin with a comma which does not have a space before it.

5.3 ISBN and ISSN

`\btxISBN` `\btxISSN` There are two additional commands, `\btxISBN` and `\btxISSN`. They generate the strings “ISBN” and “ISSN” in bibliographies. By default, they do it without a change of the font. For example, if using oldstyle digits, it could be worth to change them e.g. to

```
\renewcommand\btxISBN{\textsc{isbn}}  
\renewcommand\btxISSN{\textsc{issn}}
```

`\btxprintISBN` By default, the ISBN resp. ISSN is printed if present in the data base. You can switch this behaviour off by using `\btxprintISBN{false}` resp. `\btxprintISSN{false}`. Similarly, printing is switched on by `\btxprintISBN{true}` resp. `\btxprintISSN{true}`. Alternatively, you can switch on or off the ISBN and ISSN when loading the package by using the package options `isbn`, `noisbn`, `issn`, or `noissn`.

This, however, only works for the “standard” styles, i. e., not for the \mathcal{AMS} style `babamspl`.

If you are using `babamspl`, the language names of the citations are printed by default, as the original \mathcal{AMS} style does it. You can avoid this by adding following line to your preamble:

```
\newcommand\btxprintamslanguage[1]{}

```

5.4 Spaces between forenames

`\btxfnamespaceshort` The spaces between multiple forenames are written by `\btxfnamespacelong` and `\btxfnamespacelong` for full and abbreviated forenames, respectively. By default, a normal space is used between full forenames, and a thin space (`\,`) is used between abbreviated forenames (with the exception English where no space is printed). These defaults can be changed language-dependent:

```
\declarebtxcommands{english}{%
  \def\btxfnamespaceshort{\,}%
  \def\btxfnamespacelong{~}%
}

```

5.5 Edition numbers

Ordinal numbers for editions are handled by \LaTeX when typesetting the bibliography. You just have to give the number itself in the `bib` file and it is typeset correctly in the bibliography, e.g.,

```
edition = 3

```

is typeset as “3.” in German and “3rd” in English. Unfortunately, I do not know about other languages than these two how to write ordinal numbers. Thus, in all other languages, a warning is produced and the given number is printed without a change (“3” in the example). If not a pure number is given, it also is typeset without a change. You can add or change the output of edition numbers on a language basis, e.g.,

```
\declarebtxcommands{english}{%
  \def\btxnumeralshort#1{%
    \btxnumeralenglish{english}{#1}}%
  \def\btxnumeralallong#1{%
    \ifnumber{#1}{%
      \ifcase#1 0th\or first\or second\or third\or forth\or fifth\or
        sixth\or seventh\or eighth\or ninth\or tenth\else
        \btxnumeralenglish{english}{#1}%
    }%
  }%
}

```



```

\fi}{#1}}%
}

```

This example typesets the ordinals between 1st and 10th as words and switches to the short form for larger numbers in English language for the long version and uses the default function for the short version.

Three output formats are predefined: `\btwnumeraldot` prints the number with a dot followed, as it is common in German. `\btwnumeralenglish` adds “st”, “nd”, “rd”, or “th”, depending on the number. And `\btwnumeralfallback` generates a warning and prints the number as given.

If you, for instance, want to switch the Danish behaviour to be as the German is, use these commands:

```

\declarebtwncommands{danish}{%
\def\btwnumeralshort#1{\btwnumeraldot{danish}{#1}}%
\def\btwnumerallong#1{\btwnumeraldot{danish}{#1}}%
}

```

For the English variant, a font `numeral` is predefined that typesets the appended characters. If you, for example, want to print the superscripted, use

```

\setbibliographyfont{numeral}{\textsuperscript}

```

If you know how numerals are handled in a language, please send me an eMail.

6 How to add new languages

The language definitions are placed in special files with the extension `.bdf`. If you want to add a new language to the `babelbib` system, you should copy one of the existing `bdf` files and change the new file.

Since `babelbib.sty` contains a list of known languages, it will not find the new language definition file, automatically. Then, you can give the name of the new file without extension as an option when loading `babelbib`. For example, to load `mylang.bdf`, you have to load the package as follows:

```

\usepackage[mylang]{babelbib}

```

If you have developed a new `bdf` file, please send it to `h.harders@tu-bs.de`. Then, I will add it to the `babelbib` system.

7 Problems and Incompatibilities

- Babelbib does not work together with old versions of the `frenchle` package prior V5,987. Please update the `frenchle` package or use the native babel support for the French language, instead.
- If babelbib is used together with one of the classes of the KOMA-Script bundle, some additional spaces are added when numerical edition numbers are used. This is a KOMA-Script bug and will be fixed in the next KOMA-Script release.

8 To Do

- Add more languages.
- Complete Dutch.
- Add the possibility to switch off ISBN and ISSN to `babasmpl`.

Acknowledgements

Danie Els, `dnjels@sun.ac.za` (Afrikaans); Taneli Huuskonen, `huuskone@cc.helsinki.fi` (Esperanto, Finnish); Víctor Luaña, `victor@fluor.quimica.uniovi.es` (Spanish); Hans Fredrik Nordhaug, `hansfn@mi.uib.no` (Norwegian, Swedish); Robert Fuster, `rfuster@imm.upv.es` (Catalan); Markus Kohm, `komascript@gmx.info` (Different schemes for writing names); Matthias D. Eisner, `matthias.eisner@ethz.ch` (protect `\foreignlanguage` calls); Daniel Winkelmann, `daniel.winkelmann@club-internet.fr` (idea for different formatting of forenames and lastnames); Jan Steffan, `me@jansteffan.de` (`\setbtxfallbacklanguage`); Philip Ratcliffe, `philip.ratcliffe@email.it` (corrections for Italian); Angel Tsankov, `bigman@abv.bg` (bugfix with `\bbbb\CurrentOption` loaded); Prokopis Prokopidis, `prokopis@ilsp.gr` (Greek); Daniel Flipo, `daniel.flipo@univ-lille1.fr` (French numerals); Ignacio Fernández Galván, `jellby@yahoo.com` (Spanish numerals); Peter Bartke, `bartke@inf.fu-berlin.de` (idea of `annote` field); Yanti Yulianti, `y_yanti@students.itb.ac.id` (Bahasa); Miguel Rodríguez Penabad, `penabad@udc.es` (Galician); José Carlos Santos, `jcsantos@fc.up.pt` (Portuguese).

Furthermore, I thank the person who provided Russian. Unfortunately, I cannot find the name anymore.

References

- [1] Braams, Johannes: *Babel, a multilingual package for use with L^AT_EX's standard document classes*, 2002. CTAN:macros/latex/required/babel/.
- [2] Wallmeier, M., A. Scherer, and H. Harders: *Macros for german B^BT_EXing*, 2000. CTAN:biblio/bibtex/contrib/germbib/.

9 The implementation

Source lines that look like `<*. . .>` or `</. . .>` where `. . .` is arbitrary text are not written into the output files. If a source line starts with `<. . .>`, this part of the line is omitted.

9.1 Headings of the files

Heading of the package and the other files:

```
1 <*package>
2 \NeedsTeXFormat{LaTeX2e}[1998/06/01]
3 \ProvidesPackage{babelbib}
4 </package>
```

File heads of the bdf files:

```
5 <afrikaans>%% Language definitions for Afrikaans by
6 <afrikaans>%%   Danie Els <dnjels@sun.ac.za>
7 <afrikaans>\ProvidesFile{afrikaans.bdf}
8 <bahasa>%% Language definitions for Bahasa by
9 <bahasa>%%   Yanti Yulianti <y_yanti@students.itb.ac.id>
10 <bahasa>\ProvidesFile{bahasa.bdf}
11 <catalan>%% Language definitions for Catalan by
12 <catalan>%%   Robert Fuster <rfuster@imm.upv.es>
13 <catalan>\ProvidesFile{catalan.bdf}
14 <danish>\ProvidesFile{danish.bdf}
15 <dutch>\ProvidesFile{dutch.bdf}
16 <english>\ProvidesFile{english.bdf}
17 <esperanto>%% Language definitions for Esperanto by
18 <esperanto>%%   Taneli Huuskonen <huuskone@cc.helsinki.fi>
19 <esperanto>\ProvidesFile{esperanto.bdf}
20 <finnish>%% Language definitions for Finnish by
21 <finnish>%%   Taneli Huuskonen <huuskone@cc.helsinki.fi>
22 <finnish>\ProvidesFile{finnish.bdf}
23 <french>\ProvidesFile{french.bdf}
24 <galician>%% Language definitions for Galician by
25 <galician>%%   Miguel Rodr{'\i}iguez Penabad <penabad@udc.es>
26 <galician>\ProvidesFile{galician.bdf}
27 <german>\ProvidesFile{german.bdf}
28 <greek>\ProvidesFile{greek.bdf}
29 <greek>%% Language definitions for Greek by
30 <greek>%%   Prokopis Prokopidis <prokopis@ilsp.gr>
31 <italian>\ProvidesFile{italian.bdf}
32 <norsk>%% Language definitions for Norwegian by
33 <norsk>%%   Hans Fredrik Nordhaug <hansfn@mi.uib.no>
34 <norsk>\ProvidesFile{norsk.bdf}
35 <portuguese>%% Language definitions for Portuguese by
36 <portuguese>%%   Jos\'e Carlos Santos <jcsantos@fc.up.pt>
37 <portuguese>\ProvidesFile{portuguese.bdf}
38 <russian>%% Language definitions for Russian by
39 <russian>%%   ... (can't find the information. If it was you please tell me!)
40 <russian>\ProvidesFile{russian.bdf}
41 <spanish>%% Language definitions for Spanish by
42 <spanish>%%   V{'\i}ctor Lua{'\n}a <victor@fluor.quimica.uniovi.es>
43 <spanish>\ProvidesFile{spanish.bdf}
44 <swedish>%% Language definitions for Swedish by
45 <swedish>%%   Hans Fredrik Nordhaug <hansfn@mi.uib.no>
```

```
46 <swedish>\ProvidesFile{swedish.bdf}
```

Version information unique for all generated files:

```
47 <latex> [2009/06/18 v1.27 babelbib: multilingual bibliographies (HH)]
48 <bst>%% 2009/06/18 v1.27 babelbib: multilingual bibliographies (HH)
```

9.2 The package itself

Define an option which fixes the language in the bibliography to the main language of the document.

```
49 <*package>
50 \newif\ifbbbfixlanguage
51 \DeclareOption{fixlanguage}{\bbbfixlanguage>true}
52 \DeclareOption{varlanguage}{\bbbfixlanguage=false}
```

If this option is used, generate the commands `\btxlanguage $\langle language \rangle$` that save how languages are called in other languages, e. g. in German, French is called „französisch“.

```
53 \newif\ifbbblanguagenames
54 \DeclareOption{nolanguagenames}{\bbblanguagenames=false}
55 \DeclareOption{languagenames}{\bbblanguagenames=true}

56 \newif\ifbbbbannotations
57 \DeclareOption{annotate}{\bbbbannotationstrue}
58 \DeclareOption{noannotate}{\bbbbannotations=false}
```

`\ifbtx@printISBN` The booleans that store the necessary information if ISBN and ISSN shall be printed.

`\ifbtx@printISSN`

```
59 \newif\ifbtx@printISBN
60 \newif\ifbtx@printISSN
61 \DeclareOption{isbn}{\btx@printISBN=true}
62 \DeclareOption{noisbn}{\btx@printISBN=false}
63 \DeclareOption{issn}{\btx@printISSN=true}
64 \DeclareOption{noissn}{\btx@printISSN=false}
```

If additional options are given, try to load these as languages. This is implemented in order to be able to use a new language that is not yet supported by the official `babelbib`.

```
65 \DeclareOption*{%
66   \InputIfFileExists{\CurrentOption.bdf}{%
67     \expandafter\def\csname bbb\CurrentOption loaded\endcsname{\@empty}%
68   }{%
69     \PackageError{babelbib}{%
70       Language definition file \CurrentOption.bdf not found}{%
71       Maybe you misspelled the language option?}%
72   }%
73 }
```

Default options.

```
74 \ExecuteOptions{varlanguage,nolanguagenames,noannotate,isbn,issn}
```

Process the given options.

```
75 \ProcessOptions*
```

`\bbbbifundefined` Define a replacement for `\@ifundefined` that does not define the command it is tested for as side effect. This command has been taken from a news posting by Markus Kohm (markus.kohm@gmx.de).

```
76 \newcommand*{\bbbbifundefined}[1]{%
77   \begingroup\expandafter\expandafter\expandafter\endgroup
78   \expandafter\ifx\csname #1\endcsname\relax
79     \expandafter\@firstoftwo
80   \else
81     \expandafter\@secondoftwo
82   \fi
83 }
```

`\bbbaddto` Adds the command named `\bibs#2` to the command `\extras#1`, if this command is defined before, where `#1` and `#2` are the arguments of `\bbbaddto`. For internal use only.

```
84 \newcommand\bbbaddto[2]{%
Test wheather \extras#1 is defined.
85   \expandafter\bbbbifundefined{extras#1}{}%
Call babel's command to append \bibs#1 to \extras#1.
86   \expandafter\addto\expandafter{\csname extras#1\endcsname}{%
87     \csname #2\endcsname}%
88   \typeout{babelbib extension \@backslashchar #2 added to
89     \string\extras #1}%
90   }%
91 }
```

`\inputbdf` Input the file `#2.bdf` if babel has loaded the language `#1`. For internal use only.

```
92 \newcommand\inputbdf[2]{%
Test wheather \date#1 is defined which is the case if the language #1 has been
loaded.
93   \bbbbifundefined{date#1}{}%
Input #2.bdf.
94   \@ifundefined{bbb#2loaded}{%
95     \expandafter\def\csname bbb#2loaded\endcsname{\@empty}%
96     \input{#2.bdf}%
97   }{%
98   }%
99 }
```

`\selectbiblanguage` Define `\selectbiblanguage` which explicitly selects the language for the bibliography. This is only useful when the option `fixlanguage` is used. Otherwise the command produces a warning and does nothing else.

Since all the language dependent macros are not know before `\begin{document}`, the command `\selectbiblanguage` has to wait until there, before doing any action. Because after `\begin{document}`, it can do the action immediately, `\selectbiblanguage` has to be redefined there.

```
100 \ifbbbfixlanguage
```

Define the `\selectlanguage` command for usage before `\begin{document}`.

```
101 \newcommand\selectbiblanguage[1]{%
102   \AtBeginDocument{\@selectbiblanguage{#1}}%
103 }
```

Redefine it at `\begin{document}`.

```
104 \AtBeginDocument{%
105   \renewcommand\selectbiblanguage[1]{\@selectbiblanguage{#1}}%
106 }
```

Define the “real” command that does the action. It tests wheather `\bibs#1` and `\extras#1` are known and produces error messages if not. If everything is okay, change the bibliography language.

```
107 \newcommand\@selectbiblanguage[1]{%
108   \bbbfundefined{bibs#1}{%
109     \bbbfundefined{date#1}{%
110       \PackageError{babelbib}{Language #1 in bibliography not loaded
111         by babel}{%
112           The language #1 hasn't been loaded by babel.
113           Add it to the\MessageBreak
114           options of the \string\usepackage{babel} command or to the
115           global options.}%
116     }{%
117       \PackageError{babelbib}{Language #1 in bibliography unknown by
118         babelbib}{%
119           There are no definitions for #1 available in the
120           current\MessageBreak
121           version of babelbib. Please contact h.harders@tu-bs.de.}%
122     }%
123   }{%
124     \typeout{babelbib: Set language for keywords in the bibliography fixed to #1}%
125     \csname bibs#1\endcsname
126   }%
127 }
128 \else
129 \newcommand\selectbiblanguage[1]{%
130   \PackageWarning{babelbib}{Command \string\selectbiblanguage\space
131     used without package\MessageBreak
132     option fixlanguage. Ignored}%
133 }
134 \AtBeginDocument{%
135   \typeout{babelbib: Use citation-dependent languages in bibliography}%
136 }
137 \fi
```

`\btxselectlanguage` Define `\selectbiblanguage` which selects a language and complains if babelbib does not know about this language. For internal use, only.

```

138 \newcommand\btxselectlanguage[1]{%
139   \bbbbifundefined{bibs#1}{%
140     \bbbbifundefined{date#1}{%
141       \PackageError{babelbib}{Language #1 in bibliography not loaded
142         by babel}{%
143           The language #1 hasn't been loaded by babel.
144           Add it to the\MessageBreak
145           options of the \string\usepackage{babel} command or to the
146           global options.}%
147     }{%
148       \ifbbbfixlanguage
149         \PackageWarning{babelbib}{Language #1 in bibliography
150           unknown\MessageBreak
151           by babelbib. Hyphenation will be\MessageBreak
152           incorrect}%
153       \else
154         \PackageError{babelbib}{Language #1 in bibliography unknown by
155           babelbib}{%
156           There are no definitions for #1 available in the
157           current\MessageBreak
158           version of babelbib. Please contact h.harders@tu-bs.de.}%
159       \fi
160     }%
161   }{%
162     \csname extras#1\endcsname
163     \selectlanguage{#1}%
164   }%
165 }
```

`\biblanguage` Define `\biblanguage` which switches to the keyword language within a field.

```

166 \newcommand\biblanguage[1]{%
167   \expandafter\selectlanguage\expandafter{\biblanguage#1}}
```

`\btxlanguage` Define `\btxlanguage` which typesets the name of the language given in the argument, spoken in the current active language.

```

168 \newcommand\btxlanguage[1]{%
169   \bbbbifundefined{btxlanguage#1}{%
170     \PackageError{babelbib}{Language for #1 not
171       defined\MessageBreak
172       in \language\space language}{%
173       Either you have forgotten to specify the option 'languages'
174       when loading\MessageBreak
175       babelbib, or the command \string\bibs\language\space does
176       not contain a definition\MessageBreak
177       for the command \string\btxlanguage#1.
178       In the latter case, please\MessageBreak
179       contact h.harders@tu-bs.de.}%
180   }
```

```

180     #1%
181   }{%
182     \@nameuse{btxlanguagename#1}%
183   }%
184 }

```

`\setbtxfallbacklanguage`

```

185 \newcommand*\setbtxfallbacklanguage[1]{%
186   \edef\btxfallbacklanguage{#1}%
187   \typeout{babelbib: Set bibliography fall-back language to
188     \btxfallbacklanguage}%
189 }

```

`\btxfallbacklanguage`

```

190 \AtBeginDocument{%
191   \@ifundefined{btxfallbacklanguage}{%
192     \edef\btxfallbacklanguage{\languagename}%
193     \typeout{babelbib: Set bibliography fall-back language to
194       \btxfallbacklanguage}%
195   }{%
196     \typeout{babelbib: Bibliography fall-back language unchanged
197       (\btxfallbacklanguage)}%
198   }%
199 }

```

`\declarebtxcommands` Declare `\declarebtxcommands` which adds or replaces one or more of the `\Btx` or `\btx` commands defined in a `\bibs⟨language⟩` command. The first argument gives the language for which the commands shall be added or changed. The second argument includes the definitions of the commands. For an example, see section 2.

```

200 \newcommand*\declarebtxcommands[2]{%
201   \AtBeginDocument{%
202     \typeout{babelbib: Add a command to \string\bibs#1}%
203     \expandafter\g@addto@macro\csname bibs#1\endcsname{#2}%
204     \ifbbbfixlanguage
205       \selectbiblanguage{\biblanguagename}%
206     \fi
207   }%
208 }

```

This command may only be used in the preamble.

```

209 \@onlypreamble\declarebtxcommands

```

`\btxifchangeceaseon` The bst files write titles twice, first with changed case and second with preserved case. The macros `\btxifchangeceaseon` and `\btxifchangeceaseoff` type-set one of these versions. The languages append one of these commands to the `\extras⟨language⟩` commands.

`\btxifchangeceaseoff`

```

210 \newcommand*\btxifchangeceaseon{%
211   \def\btxifchangecease{\@firstoftwo}%
212 }%

```



```

213 \newcommand*\bt@ifchange@caseoff{%
214   \def\bt@ifchange@case{\@secondoftwo}%
215 }%

```

`\setbibliographyfont` Define `\setbibliographyfont` and `\setbibliographyfont*` that set the font declared by the first argument #1 to the second argument #2. The second argument has to be a macro with one argument, like `\textbf`, `\emph`, `\textsc`, etc. The normal version generates an error, if the internal command `\bt@#1font` is not defined. The star version doesn't. error.

```

216 \newcommand\setbibliographyfont{%
217   \ifnextchar*{\@setbibliographyfont}{\setbibliographyfont}%
218 }

```

`\@setbibliographyfont`

```

219 \newcommand\@setbibliographyfont[2]{%
220   \ifundefined{bt@#1font}{%
221     \PackageError{babelbib}{Bibliography font ‘#1’ can’t be set}{%
222       You have tried to define a font for the bibliographic element
223       \MessageBreak
224       ‘#1’, which is unknown to babelbib}%
225   }{%
226     \expandafter\renewcommand\csname bt@#1font\endcsname{#2}%
227     \typeout{babelbib: Bibliography font for ‘#1’ changed.}%
228   }%
229 }

```

`\@@setbibliographyfont` The first argument is the * and ignored.

```

230 \newcommand\@@setbibliographyfont[3]{%
231   \ifundefined{bt@#2font}{%
232     \expandafter\newcommand\csname bt@#2font\endcsname{#3}%
233     \typeout{babelbib: Bibliography font for ‘#2’ newly defined.}%
234   }{%
235     \expandafter\renewcommand\csname bt@#2font\endcsname{#3}%
236     \typeout{babelbib: Bibliography font for ‘#2’ changed.}%
237   }%
238 }

```

`\providebibliographyfont` Define `\providebibliographyfont` and `\providebibliographyfont*` that do the same as `\setbibliographyfont` and `\setbibliographyfont*`, but only, if `\setbibliographyfont` has not been used for #1, before. It is similar to `\providecommand` which only defines that command if it is undefined, before. This command is intended to be used by the `BIBTEX` style, but can also be used by the user.

```

239 \newcommand\providebibliographyfont{%
240   \ifnextchar*{\@providebibliographyfont}{\providebibliographyfont}%
241 }

```

`\@providebibliographyfont`

```

242 \newcommand\@providebibliographyfont[2]{%
243   \bbbbifundefined{btx#1font}{%
244     \PackageError{babelbib}{Bibliography font ‘#1’ can’t be set}{%
245       You have tried to define a font for the bibliographic element
246       \MessageBreak
247       ‘#1’, which is unknown to babelbib}%
248   }{%
249     \expandafter\ifx\csname btx#1font\endcsname\@empty
250     \expandafter\renewcommand\csname btx#1font\endcsname{#2}%
251     \typeout{babelbib: Using the BibTeX style’s default font for ‘#1’.%}
252   \else
253     \typeout{babelbib: Using user changed font for ‘#1’.%}
254   \fi
255 }%
256 }

```

`\@setbibliographyfont` The first argument is the * and ignored.

```

257 \newcommand\@providebibliographyfont[3]{%
258   \bbbbifundefined{btx#2font}{%
259     \expandafter\newcommand\csname btx#2font\endcsname{#3}%
260     \typeout{babelbib: Using the BibTeX style’s default font for ‘#2’.%}
261   }{%
262     \expandafter\ifx\csname btx#2font\endcsname\@empty
263     \expandafter\renewcommand\csname btx#2font\endcsname{#3}%
264     \typeout{babelbib: Using the BibTeX style’s default font for ‘#2’.%}
265   \else
266     \typeout{babelbib: Using user changed font for ‘#2’.%}
267   \fi
268 }%
269 }

```

`\btxnamefont` Define the dummy commands for available fonts

```

270 \newcommand*\btxnamefont{}
271 \let\btxnamefont=\@empty
272 \newcommand*\btxlastnameont{}
273 \let\btxlastnameont=\@empty
274 \newcommand\btxtitlefont{}
275 \let\btxtitlefont=\@empty
276 \newcommand\btxjtitlefont{}
277 \let\btxjtitlefont=\@empty
278 \newcommand\btxetalfont{}
279 \let\btxetalfont=\@empty
280 \newcommand\btxjournalfont{}
281 \let\btxjournalfont=\@empty
282 \newcommand\btxpublisherfont{}
283 \let\btxpublisherfont=\@empty
284 \newcommand\btxvolumeont{}
285 \let\btxvolumeont=\@empty
286 \newcommand\btxISBNfont{}
287 \let\btxISBNfont=\@empty

```

```

288 \newcommand\btxISSNfont{}
289 \let\btxISSNfont=\@empty
290 \newcommand\btxurlfont{}
291 \let\btxurlfont=\@empty
292 \newcommand\btxurldatefont{}
293 \let\btxurldatefont=\@empty
294 \newcommand\btxnumeralfont{}
295 \let\btxnumeralfont=\@empty

\btxauthorcolon Define \btxauthorcolon which defines the characters typeset after the authors,
                  if they are written before the title. By default, it is a ":".
296 \newcommand\btxauthorcolon{:}

\btxISBN Define \btxISBN which outputs "ISBN" in a bibliography. For example, it could
          be defined to \textsc{isbn} when old style digits are used.
297 \newcommand\btxISBN{ISBN}

\btxISSN Define \btxISSN which outputs "ISSN" in a bibliography. For example, it could
          be defined to \textsc{issn} when old style digits are used.
298 \newcommand\btxISSN{ISSN}

\ifbtxprintISBN These commands are used by the bibliography styles to typeset the ISBN or ISSN
\ifbtxprintISSN only if wanted.
299 \DeclareRobustCommand\ifbtxprintISBN[1]{\ifbtx@printISBN #1\fi}
300 \DeclareRobustCommand\ifbtxprintISSN[1]{\ifbtx@printISSN #1\fi}

\btxprintISBN These macros are used to switch on or off printing of ISBN resp. ISSN. Valid
\btxprintISSN arguments are true and false.
301 \newcommand*\btxprintISBN[1]{\csname btx@printISBN#1\endcsname}
302 \newcommand*\btxprintISSN[1]{\csname btx@printISSN#1\endcsname}

\btxannotation A command that typesets annotations.
303 \ifbbbbbannotations
304   \DeclareRobustCommand\btxannotation[1]{%
305     \begin{quotation}%
306       \noindent
307       #1%
308     \end{quotation}%
309   }
310 \else
311   \DeclareRobustCommand\btxannotation[1]{}%
312 \fi

\btx@ifnumerical Test wheather argument 1 is a number (from KOMA script)
313 \providecommand\ifnumber[3]{%
314   \begingroup\@tempswafalse\let\scr@next\test@number
315   \expandafter\scr@next#1\scr@next
316   \if@tempswa\endgroup#2\else\endgroup#3\fi

```

```

317 }
318 \providecommand*\test@number[1]{%
319   \ifx \scr@next#1%
320     \let\scr@next\relax
321   \else
322     \@tempcnta=\expandafter\expandafter\expandafter\number
323     \expandafter'#1\relax
324     \ifnum \@tempcnta>47\relax
325       \ifnum \@tempcnta<58\relax
326         \@tempswatrue
327       \else\@tempswafalse\fi
328     \else\@tempswafalse\fi
329     \if@tempswa\else\let\scr@next\gobble@till@next\fi\fi
330   \scr@next
331 }
332 \def\gobble@till@next#1\scr@next{}

```

`\btx@parsenum` Parses the number given by `\btx@parsenum<number>`. `\@empty` prints it and returns the last two digits in `\btx@digita` and `\btx@digitb`.

```

333 \def\btx@parsenum#1#2#3\@empty{%
334   #1%
335   \edef\btx@digitb{#3}%
336   \ifx\@empty\btx@digitb
337     #2%
338     \edef\btx@digita{#1}%
339     \edef\btx@digitb{#2}%
340   \else
341     \expandafter\btx@parsenum#2#3\@empty
342   \fi
343 }

```

`\btxnumeralfallback`

```

344 \DeclareRobustCommand\btxnumeralfallback[2]{%
345   \foreignlanguage{#1}{%
346     \ifnumber{#2}{%
347       \PackageWarning{babelbib}{Handling of numerical editions not
348         handled\MessageBreak by language #1 for edition '#2'}%
349     }{}%
350     #2%
351   }%
352 }%

```

`\btxnumeraldot`

```

353 \DeclareRobustCommand\btxnumeraldot[2]{%
354   \foreignlanguage{#1}{\ifnumber{#2}{#2.}{#2}}%
355 }

```

`\btxnumeralenglish`

```

356 \DeclareRobustCommand\btxnumeralenglish[2]{%
357   \foreignlanguage{#1}{%
358     \ifnumber{#2}{%
359       \expandafter\btx@parsenum#2\@empty\@empty\@empty
360       \btxnumeralfont{%
361         \ifx\btx@digitb\@empty
362           \ifcase\btx@digita th\or st\or nd\or rd\else th\fi
363         \else
364           \ifnum\btx@digita=1
365             th%
366           \else
367             \ifcase\btx@digitb th\or st\or nd\or rd\else th\fi
368           \fi
369         \fi
370       }%
371     }{#2}%
372   }%
373 }

```

\url Define \url which, by default, is used for URLs. Only necessary if not provided by another package, e.g. url.sty.

```

374 \AtBeginDocument{%
375   \providecommand\url[1]{%
376     \PackageError{babelbib}{No \string\url\space command defined but
377       field URL used\MessageBreak
378       in bibliography}{%
379         Please define a \string\url\space command for printing URLs
380         before \string\begin{document}, e.\,g.\MessageBreak
381         by loading the package ‘url.sty’.%
382       \texttt{#1}%
383     }%
384 }

```

Perform the following commands at \begin{document} in order to be sure to do that after loading babel.

```

385 \AtBeginDocument{%
  Load babel if that has not been done, yet.
386   \RequirePackage{babel}
  Input all know languages that babel has also loaded, before.
387   \inputbdf{afrikaans}{afrikaans}
388   \inputbdf{american}{english}
389   \inputbdf{austrian}{german}
390   \inputbdf{bahasa}{bahasa}
391   \inputbdf{brazil}{portuguese}
392   \inputbdf{brazilian}{portuguese}
393   \inputbdf{british}{english}
394   \inputbdf{canadian}{english}
395   \inputbdf{canadien}{french}

```

```

396 \inputbdf{catalan}{catalan}
397 \inputbdf{danish}{danish}
398 \inputbdf{dutch}{dutch}
399 \inputbdf{english}{english}
400 \inputbdf{esperanto}{esperanto}
401 \inputbdf{finnish}{finnish}
402 \inputbdf{francais}{french}
403 \inputbdf{french}{french}
404 \inputbdf{frenchb}{french}
405 \inputbdf{galician}{galician}
406 \inputbdf{german}{german}
407 \inputbdf{germanb}{german}
408 \inputbdf{greek}{greek}
409 \inputbdf{italian}{italian}
410 \inputbdf{norsk}{norsk}
411 \inputbdf{mexican}{spanish}
412 \inputbdf{naustrian}{german}
413 \inputbdf{ngerman}{german}
414 \inputbdf{portuges}{portuguese}
415 \inputbdf{portuguese}{portuguese}
416 \inputbdf{russian}{russian}
417 \inputbdf{russianb}{russian}
418 \inputbdf{spanish}{spanish}
419 \inputbdf{swedish}{swedish}
420 \inputbdf{UKenglish}{english}
421 \inputbdf{USenglish}{english}

```

Call `\bibs#1`, where `#1` stands for the main language of the document, to activate the additional bibliographic commands.

```

422 \ifbbbfixlanguage
423   \typeout{babelbib: Load BibTeX extensions
424     \string\bibs\bbl@main@language\space for \bbl@main@language}%
425   \selectbiblanguage{\bbl@main@language}%
426 \else
427   \expandafter\selectlanguage\expandafter{\bbl@main@language}%
428 \fi
429 }
430 </package>

```

9.3 The language definitions

9.3.1 German

```
431 <*german>
```

`\bibsgerman` Define `\bibsgerman` which itself defines all necessary expressions used in bibliographies that differ in different languages. This command is used for all German dialects.

Since the language of the keywords may differ from the language of the bibliography item, the keyword language is set for each keyword. Because this command

is also used for dialects, it has an optional argument which is set to the dialect.

```
432 \newcommand\bibsgerman[1][german]{%
```

Define the command `\biblanguagename` that always returns the name of the current language for bibliographies.

```
433 \def\biblanguagename{#1}%
```

First, define all commands for usage within a sentence (which normally start with a lowercase letter, if they aren't a noun). These commands start with a lowercase letter.

Many commands have an argument. This may be used by the bibTEX styles to append a dot after abbreviations, e.g. `\btxetalshort{.}`.

```
434 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1}}}%
```

```
435 \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii}}%
```

```
436 \def\btxandshort##1{\protect\foreignlanguage{#1}{und}}%
```

```
437 \def\btxandlong##1{\protect\foreignlanguage{#1}{und}}%
```

The command `\btxandcomma` contains a “,” if a comma is added before the “and” in a list of more than two items. For German, this is not the case.

```
438 \def\btxandcomma##1{}%
```

```
439 \def\btxinlong##1{\protect\foreignlanguage{#1}{in:}}%
```

```
440 \def\btxinshort##1{\protect\foreignlanguage{#1}{in:}}%
```

```
441 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{d.\ Reihe}}%
```

```
442 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{in}}%
```

```
443 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{der Reihe}}%
```

```
444 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{in}}%
```

```
445 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{Hrsg##1}}}%
```

```
446 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{Herausgeber}}%
```

```
447 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{Hrsg##1}}}%
```

```
448 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{Herausgeber}}%
```

```
449 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{Bd##1}}}%
```

```
450 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{Band}}%
```

```
451 \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{Nr##1}}}%
```

```
452 \def\btxnnumberlong##1{\protect\foreignlanguage{#1}{Nummer}}%
```

Avoid the ligature in „Auflage“ in the same way, babel does it. This is a change in the behaviour to the `germbib` package. In „Auf“ the ligature is still used since this is done in abbreviations.

```
453 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{Auf##1}}}%
```

```
454 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{%
```

```
455 Auf\penalty10000\discretionary{-}{-}{\kern.03em}%
```

```
456 \allowhyphens lage}}%
```

```
457 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{Kap##1}}}%
```

```
458 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{Kapitel}}%
```

```
459 \def\btxpageshort##1{\protect\foreignlanguage{#1}{S##1}}}%
```

```
460 \def\btxpagelong##1{\protect\foreignlanguage{#1}{Seite}}%
```

```
461 \def\btxpageshort##1{\protect\foreignlanguage{#1}{S##1}}}%
```

```
462 \def\btxpageslong##1{\protect\foreignlanguage{#1}{Seiten}}%
```

```
463 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Diplomarbeit}}%
```

Use „Dissertation“ instead of „Doktorarbeit“ for PhD theses. This is a change in the behaviour to the `germbib` package.

```

464 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Dissertation}}%
465 \def\btxtechrepsshort##1{\protect\foreignlanguage{#1}{Techn.\ Ber##1{}}}%
466 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Technischer Bericht}}%
467 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januar}}%
468 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februar}}%
469 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{M\ "arz}}%
470 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
471 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mai}}%
472 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
473 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
474 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{August}}%
475 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
476 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}%
477 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
478 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Dezember}}%
479 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
480 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
481 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{M\ "arz}}%
482 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
483 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Mai}}%
484 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Juni}}%
485 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Juli}}%
486 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
487 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
488 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
489 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
490 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dez##1{}}}%

```

Then, define all commands for usage at the begin of a sentence (which start with an uppercase letter). These commands start with an uppercase letter. Since, in German, many nouns are the same in the middle and at the start of a sentence, the `\Btx` variants just call the `\btx` variant.

```

491 \def\Btxinlong##1{\protect\foreignlanguage{#1}{In:}}%
492 \def\Btxinshort##1{\protect\foreignlanguage{#1}{In:}}%
493 \def\Btxeditorshort{\btxeditorshort}%
494 \def\Btxeditorlong{\btxeditorlong}%
495 \def\Btxeditorsshort{\btxeditorsshort}%
496 \def\Btxeditorslong{\btxeditorslong}%
497 \def\Btxvolumeshort{\btxivolumeshort}%
498 \def\Btxvolumelong{\btxivolumelong}%
499 \def\Btxnumbershort{\btxnumbershort}%
500 \def\Btxnumberlong{\btxnumberlong}%
501 \def\Btxeditionshort{\btxeditionsshort}%
502 \def\Btxeditionlong{\btxeditionlong}%
503 \def\Btxchaptershort{\btxchaptershort}%
504 \def\Btxchapterlong{\btxchapterlong}%
505 \def\Btxpageshort{\btxpageshort}%
506 \def\Btxpagelong{\btxpagelong}%

```



```

507 \def\Btxpagesesshort{\btxpagesesshort}%
508 \def\Btxpageselong{\btxpageselong}%
509 \def\Btxtechrepshort{\btxtechrepshort}%
510 \def\Btxtechreplong{\btxtechreplong}%
511 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, besucht: ##1}}%

```

The command \btxfnamespaceshort and \btxfnamespacelong contain the space between two abbreviated resp. full forenames.

```

512 \def\btxfnamespaceshort{\,}%
513 \def\btxfnamespacelong{ }%

```

Handle numerical edition numbers.

```

514 \def\btxnumeralshort##1{\btxnumeraldot{#1}{##1}}%
515 \def\btxnumeralldot##1{\btxnumeraldot{#1}{##1}}%

```

A command that just puts some user defined text in the language of the keywords.

```

516 % \def\btxkeywordlanguage##1{\protect\foreignlanguage{#1}{##1}}%
517 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}{##1}}%

```

Names of all known languages in the current language. For example, used by babamspl.bst.

```

518 \ifbbblanguagenames
519 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{englisch}}%
520 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{deutsch}}%
521 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugiesisch}}%
522 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugiesisch}}%
523 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{englisch}}%
524 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgarisch}}%
525 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{englisch}}%
526 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franz}"osisch}}%
527 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalanisch}}%
528 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroatisch}}%
529 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tschechisch}}%
530 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{d}"anisch}}%
531 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{niederl}"andisch}}%
532 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{englisch}}%
533 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
534 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finnisch}}%
535 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{franz}"osisch}}%
536 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{franz}"osisch}}%
537 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{franz}"osisch}}%
538 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{deutsch}}%
539 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{deutsch}}%
540 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{griechisch}}%
541 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebr}"aisch}}%
542 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{ungarisch}}%
543 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{isl}"andisch}}%
544 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irisch}}%
545 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italienisch}}%
546 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{lateinisch}}%
547 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{deutsch}}%

```

```

548 \def\btxlabelnamenamengerman{\protect\foreignlanguage{#1}{deutsch}}%
549 \def\btxlabelnamenamenorsk{\protect\foreignlanguage{#1}{norwegisch}}%
550 \def\btxlabelnamenamenynorsk{\protect\foreignlanguage{#1}{neunorwegisch}}%
551 \def\btxlabelnamenapolish{\protect\foreignlanguage{#1}{polnisch}}%
552 \def\btxlabelnamenaportuges{\protect\foreignlanguage{#1}{portugiesisch}}%
553 \def\btxlabelnamenaportuguese{\protect\foreignlanguage{#1}{portugiesisch}}%
554 \def\btxlabelnamenarussian{\protect\foreignlanguage{#1}{russisch}}%
555 \def\btxlabelnamenascottish{\protect\foreignlanguage{#1}{schottisch}}%
556 \def\btxlabelnamenaserbian{\protect\foreignlanguage{#1}{serbisch}}%
557 \def\btxlabelnamenaspainish{\protect\foreignlanguage{#1}{spanisch}}%
558 \def\btxlabelnamenaswedish{\protect\foreignlanguage{#1}{schwedisch}}%
559 \def\btxlabelnamenaturkish{\protect\foreignlanguage{#1}{t\urkisch}}%
560 \def\btxlabelnamenaukenglish{\protect\foreignlanguage{#1}{englisch}}%
561 \def\btxlabelnamenausenglish{\protect\foreignlanguage{#1}{englisch}}%
562 \fi
563 }

```

`\bibsgermanb` Do the same for the language “germanb”. Since there is no difference, just call `\bibsgerman`.

```

564 \newcommand\bibsgermanb{\bibsgerman}

```

`\bibsngerman` Do the same for German with new ortography. Call `\bibsgerman` with new hyphenation patterns.

```

565 \newcommand\bibsngerman[1][ngerman]{\bibsgerman[#1]}

```

`\bibsaustrian` Once again. Austrians use „Jänner“ instead of „Januar“. Thus, redefine the corresponding command.

```

566 \newcommand\bibsaustrian[1][austrian]{%
567 \bibsgerman[#1]%
568 \def\btxlabelmonjanlong##1{\protect\foreignlanguage{#1}{J\"anner}}%
569 \def\btxlabelmonjanshort##1{\protect\foreignlanguage{#1}{J\"an##1}}%
570 }

```

`\bibsnaustrian` New Austrian is the same as Austrian.

```

571 \newcommand\bibsnaustrian[1][naustrian]{%
572 \bibsngerman[#1]%
573 \def\btxlabelmonjanlong##1{\protect\foreignlanguage{#1}{J\"anner}}%
574 \def\btxlabelmonjanshort##1{\protect\foreignlanguage{#1}{J\"an##1}}%
575 }

```

The rest has to be executed after loading `babel.sty`, because the `\extra...` commands have to be defined for all used languages.

```

576 \AtBeginDocument{%

```

If the language is fixed, do nothing.

```

577 \ifbbbfixlanguage
578 \else

```

Append the corresponding \#2 command to each used language, namely \extras#1.

```
579 \bbbbaddto{austrian}{bibs austrian}
580 \bbbbaddto{german}{bibs german}
581 \bbbbaddto{germanb}{bibs germanb}
582 \bbbbaddto{naustrian}{bibs naustrian}
583 \bbbbaddto{ngerman}{bibs ngerman}
584 \fi
```

Switch off the change of case in titles for all German dialects by appending \btixifchange case off to \extras<language>.

```
585 \bbbbaddto{austrian}{btixifchange case off}
586 \bbbbaddto{german}{btixifchange case off}
587 \bbbbaddto{germanb}{btixifchange case off}
588 \bbbbaddto{naustrian}{btixifchange case off}
589 \bbbbaddto{ngerman}{btixifchange case off}
590 }
591 </german>
```

9.3.2 Galician

```
592 <*galician>
```

The language definition for Galician was provided by Miguel Rodríguez Penabad.

\bibsgalician Bibliographic commands for Galician.

```
593 \newcommand\bibsgalician[1][galician]{%
594 \def\biblanguagename{#1}%
595 \def\btxetalshort##1{\protect\foreignlanguage{#1}{e~cols##1{}}}%
596 \def\btxetallong##1{\protect\foreignlanguage{#1}{e~colaboradores}}}%
597 \def\btxandshort##1{\protect\foreignlanguage{#1}{e}}}%
598 \def\btxandlong##1{\protect\foreignlanguage{#1}{e}}}%
599 \def\btxandcomma##1{,}%
600 \def\btxinlong##1{\protect\foreignlanguage{#1}{en}}}%
601 \def\btxinshort##1{\protect\foreignlanguage{#1}{en}}}%
602 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{de}}}%
603 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{en}}}%
604 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}}%
605 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{en}}}%
606 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
607 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}}%
608 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{eds##1{}}}%
609 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editores}}}%
610 \def\btxvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
611 \def\btxvolumelong##1{\protect\foreignlanguage{#1}{volume}}}%
612 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{%
613 n\textsuperscript{\underline{o}}}}}%
614 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{n'umero}}}%
615 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
616 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edici'\{o\}}}%
617 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1{}}}%

```

```

618 \def\btchapterlong##1{\protect\foreignlanguage{#1}{cap{\'\i}tulo}}}%
619 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p\'ax##1{}}}%
620 \def\btxpagelong##1{\protect\foreignlanguage{#1}{p\'axina}}}%
621 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p\'axs##1{}}}%
622 \def\btxpageslong##1{\protect\foreignlanguage{#1}{p\'axinas}}}%
623 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Tese de Licenciatura}}}%
624 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Tese de Doutoramento}}}%
625 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Informe t\'ecnico##1{}}}%
626 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Informe t\'ecnico}}}%
627 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Xaneiro}}}%
628 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Fevereiro}}}%
629 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Marzo}}}%
630 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{Abril}}}%
631 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Maio}}}%
632 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Xu\~no}}}%
633 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Xullo}}}%
634 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Agosto}}}%
635 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Setembro}}}%
636 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Outubro}}}%
637 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{Novembro}}}%
638 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Decembro}}}%
639 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Xan##1{}}}%
640 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
641 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
642 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Abr##1{}}}%
643 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Mai}}}%
644 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Xu\~n}}}%
645 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Xul}}}%
646 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Ago##1{}}}%
647 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Set##1{}}}%
648 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Out##1{}}}%
649 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
650 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
651 \def\Btxinlong##1{\protect\foreignlanguage{#1}{En}}}%
652 \def\Btxinshort##1{\protect\foreignlanguage{#1}{En}}}%
653 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
654 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}}%
655 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
656 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editores}}}%
657 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
658 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}}%
659 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{%
660 N\textsuperscript{\underline{o}}}}}%
661 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{N\'umero}}}%
662 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
663 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edici\'on}}}%
664 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
665 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Cap\'itulo}}}%
666 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P\'ax##1{}}}%
667 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{P\'axina}}}%

```

```

668 \def\Btxpagesesshort##1{\protect\foreignlanguage{#1}{P\'axs##1{}}}%
669 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{P\'axinas}}%
670 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Informe t\'ecnico}}%
671 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Informe t\'ecnico}}%
672 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, visitado o ##1}}%
673 \def\btxfnamespaceshort{\,%
674 \def\btxfnamespacelong{ }%
675 \def\btxnnumeralsshort##1{\protect\foreignlanguage{#1}{%
676 \ifnumber{##1}{##1\textsuperscript{a}}{##1}}}%
677 \def\btxnnumerallong##1{\btxnnumeralsshort{##1}}%
678 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
679 \ifbbblanguagenames
680 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{ingl\'es}}%
681 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem\'an}}%
682 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugu\'es}}%
683 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugu\'es}}%
684 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{ingl\'es}}%
685 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{b\'ulgaro}}%
686 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{ingl\'es}}%
687 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franc\'es}}%
688 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catal\'an}}%
689 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croata}}%
690 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{checo}}%
691 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{dan\'es}}%
692 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{holand\'es}}%
693 \def\btxlanguagename english{\protect\foreignlanguage{#1}{ingl\'es}}%
694 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
695 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finland\'es}}%
696 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{franc\'es}}%
697 \def\btxlanguagename french{\protect\foreignlanguage{#1}{franc\'es}}%
698 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{franc\'es}}%
699 \def\btxlanguagename german{\protect\foreignlanguage{#1}{alem\'an}}%
700 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{alem\'an}}%
701 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{grego}}%
702 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{hebreo}}%
703 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{h\'ungaro}}%
704 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{island\'es}}%
705 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irland\'es}}%
706 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italiano}}%
707 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{lat\'i n}}%
708 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{alem\'an}}%
709 \def\btxlanguagename engerman{\protect\foreignlanguage{#1}{alem\'an}}%
710 \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{noruego}}%
711 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{noruego}}%
712 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polaco}}%
713 \def\btxlanguagename portuges{\protect\foreignlanguage{#1}{portugu\'es}}%
714 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugu\'es}}%
715 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{ruso}}%
716 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{escoc\'es}}%
717 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbio}}%

```

```

718 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{espa\~nol}}%
719 \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{sueco}}%
720 \def\btxlanguagenameturkish{\protect\foreignlanguage{#1}{turco}}%
721 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{ingl'es}}%
722 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{ingl'es}}%
723 \fi
724 }

```

Append the definitions to the language-calling commands.

```

725 \AtBeginDocument{%
726 \ifbbbfixlanguage
727 \else
728 \bbbaddto{galician}{bibsgalician}
729 \fi
730 \bbbaddto{galician}{btxifchangeoff}
731 }
732 \galician

```

9.3.3 English

```
733 <*english>
```

The language definition for English is mostly the same as the German one. Therefore, it is not described in detail, again.

`\bibsenglish` `french.sty` already defines `\bibsenglish`. In this case it has to be redefined, otherwise newly defined.

```

734 \makeatletter
735 \@ifpackageloaded{french}{\newcommand\bibsenglish{}}
736 \makeatother

```

Bibliographic commands for English.

```

737 \renewcommand\bibsenglish[1][english]{%
738 \def\biblanguagename{#1}%
739 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1}}%
740 \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii}}%
741 \def\btxandshort##1{\protect\foreignlanguage{#1}{and}}%
742 \def\btxandlong##1{\protect\foreignlanguage{#1}{and}}%
743 \def\btxandcomma##1{,}%
744 \def\btxinlong##1{\protect\foreignlanguage{#1}{in}}%
745 \def\btxinshort##1{\protect\foreignlanguage{#1}{in}}%
746 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{of}}%
747 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{in}}%
748 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{of}}%
749 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{in}}%
750 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1}}%
751 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}%
752 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{eds##1}}%
753 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editors}}%
754 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1}}%
755 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}%

```

```

756 \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{no##1{}}}%
757 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{number}}%
758 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
759 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edition}}%
760 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{ch##1{}}}%
761 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{chapter}}%
762 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
763 \def\btxpagelong##1{\protect\foreignlanguage{#1}{page}}%
764 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
765 \def\btxpageslong##1{\protect\foreignlanguage{#1}{pages}}%
766 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Master's thesis}}%
767 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{PhD thesis}}%
768 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Techn.\ rep##1{}}}%
769 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Technical report}}%
770 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{January}}%
771 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{February}}%
772 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{March}}%
773 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
774 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{May}}%
775 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{June}}%
776 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{July}}%
777 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{August}}%
778 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
779 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{October}}%
780 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
781 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{December}}%
782 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
783 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
784 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
785 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
786 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{May}}%
787 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{June}}%
788 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{July}}%
789 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
790 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sept##1{}}}%
791 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Oct##1{}}}%
792 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
793 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
794 \def\Btxinlong##1{\protect\foreignlanguage{#1}{In}}%
795 \def\Btxinshort##1{\protect\foreignlanguage{#1}{In}}%
796 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
797 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}%
798 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Eds##1{}}}%
799 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editors}}%
800 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
801 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
802 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{No##1{}}}%
803 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Number}}%
804 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
805 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edition}}%

```

```

806 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Ch##1{}}}%
807 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Chapter}}}%
808 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
809 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Page}}}%
810 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
811 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pages}}}%
812 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tech.\ Rep##1{}}}%
813 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Technical Report}}}%
814 \def\Btxurlcomment##1{\protect\foreignlanguage{#1}{, visited on ##1}}}%
815 \def\Btxfnamespaceshort{}%
816 \def\Btxfnamespacelong{}%
817 \def\Btxnumeralshort##1{\Btxnumeralenglish{#1}{##1}}}%
818 \def\Btxnumerallong##1{\Btxnumeralenglish{#1}{##1}}}%
819 \def\Btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%

```

Names of all known languages in the current language.

```

820 \ifbbblanguagenames
821 \def\Btxlanguageameamerican{\protect\foreignlanguage{#1}{english}}%
822 \def\Btxlanguageameaustrian{\protect\foreignlanguage{#1}{german}}%
823 \def\Btxlanguageamebrazil{\protect\foreignlanguage{#1}{portuguese}}%
824 \def\Btxlanguageamebrazilian{\protect\foreignlanguage{#1}{portuguese}}%
825 \def\Btxlanguageamebritish{\protect\foreignlanguage{#1}{english}}%
826 \def\Btxlanguageamebulgarian{\protect\foreignlanguage{#1}{bulgarian}}%
827 \def\Btxlanguageamecanadian{\protect\foreignlanguage{#1}{english}}%
828 \def\Btxlanguageamecanadien{\protect\foreignlanguage{#1}{french}}%
829 \def\Btxlanguageamecatalan{\protect\foreignlanguage{#1}{catalan}}%
830 \def\Btxlanguageamecroatian{\protect\foreignlanguage{#1}{croatian}}%
831 \def\Btxlanguageameczech{\protect\foreignlanguage{#1}{czech}}%
832 \def\Btxlanguageamedanish{\protect\foreignlanguage{#1}{danish}}%
833 \def\Btxlanguageamedutch{\protect\foreignlanguage{#1}{dutch}}%
834 \def\Btxlanguageameenglish{\protect\foreignlanguage{#1}{english}}%
835 \def\Btxlanguageameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
836 \def\Btxlanguageamefinnish{\protect\foreignlanguage{#1}{finnish}}%
837 \def\Btxlanguageamefrancais{\protect\foreignlanguage{#1}{french}}%
838 \def\Btxlanguageamefrench{\protect\foreignlanguage{#1}{french}}%
839 \def\Btxlanguageamefrenchb{\protect\foreignlanguage{#1}{french}}%
840 \def\Btxlanguageamegerman{\protect\foreignlanguage{#1}{german}}%
841 \def\Btxlanguageamegermanb{\protect\foreignlanguage{#1}{german}}%
842 \def\Btxlanguageamegreek{\protect\foreignlanguage{#1}{greek}}%
843 \def\Btxlanguageamehebrew{\protect\foreignlanguage{#1}{hebrew}}%
844 \def\Btxlanguageamehungarian{\protect\foreignlanguage{#1}{hungarian}}%
845 \def\Btxlanguageameicelandic{\protect\foreignlanguage{#1}{icelandic}}%
846 \def\Btxlanguageameirish{\protect\foreignlanguage{#1}{irish}}%
847 \def\Btxlanguageameitalian{\protect\foreignlanguage{#1}{italian}}%
848 \def\Btxlanguageamelatin{\protect\foreignlanguage{#1}{latin}}%
849 \def\Btxlanguageamenaustrian{\protect\foreignlanguage{#1}{german}}%
850 \def\Btxlanguageamengerman{\protect\foreignlanguage{#1}{german}}%
851 \def\Btxlanguageamenorsk{\protect\foreignlanguage{#1}{norwegian}}%
852 \def\Btxlanguageamenynorsk{\protect\foreignlanguage{#1}{new-norwegian}}%
853 \def\Btxlanguageamepolish{\protect\foreignlanguage{#1}{polish}}%

```



```

854 \def\btxlabelnameportuges{\protect\foreignlanguage{#1}{portuguese}}%
855 \def\btxlabelnameportuguese{\protect\foreignlanguage{#1}{portuguese}}%
856 \def\btxlabelnamerussian{\protect\foreignlanguage{#1}{russian}}%
857 \def\btxlabelnamescottish{\protect\foreignlanguage{#1}{scottish}}%
858 \def\btxlabelnameserbian{\protect\foreignlanguage{#1}{serbian}}%
859 \def\btxlabelnamespanish{\protect\foreignlanguage{#1}{spanish}}%
860 \def\btxlabelnameswedish{\protect\foreignlanguage{#1}{swedish}}%
861 \def\btxlabelnameturkish{\protect\foreignlanguage{#1}{turkish}}%
862 \def\btxlabelnameUKenglish{\protect\foreignlanguage{#1}{english}}%
863 \def\btxlabelnameUSenglish{\protect\foreignlanguage{#1}{english}}%
864 \fi
865 }

```

Copy the commands to the other languages.

```

866 \newcommand\bibsamerican{\bibsenglish[american]}
867 \newcommand\bibsbritish{\bibsenglish[british]}
868 \newcommand\bibscanadian{\bibsenglish[canadian]}
869 \newcommand\bibsUKenglish{\bibsenglish[UKenglish]}
870 \newcommand\bibsUSenglish{\bibsenglish[USenglish]}

```

Append the definitions to the language-calling commands.

```

871 \AtBeginDocument{%
872 \ifbbbfixlanguage
873 \else
874 \bbbbaddto{american}{bibsamerican}
875 \bbbbaddto{british}{bibsbritish}
876 \bbbbaddto{canadian}{bibscanadian}
877 \bbbbaddto{english}{bibsenglish}
878 \bbbbaddto{UKenglish}{bibsUKenglish}
879 \bbbbaddto{USenglish}{bibsUSenglish}
880 \fi

```

Switch on the change of case in titles for all English dialects by appending `\btxfordchangeoff` to `\extras{language}`.

```

881 \bbbbaddto{american}{btxfordchangeon}
882 \bbbbaddto{british}{btxfordchangeon}
883 \bbbbaddto{canadian}{btxfordchangeon}
884 \bbbbaddto{english}{btxfordchangeon}
885 \bbbbaddto{UKenglish}{btxfordchangeon}
886 \bbbbaddto{USenglish}{btxfordchangeon}
887 }
888 \</english>

```

9.3.4 Italian

```

889 \<*italian>

```

`\bibsitalian` Bibliographic commands for Italian.

```

890 \newcommand\bibsitalian[1][italian]{%
891 \def\biblanguagename{#1}%
892 \def\btxfordshort#1{\protect\foreignlanguage{#1}{et~al##1}}}%

```

```

893 \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii}}%
894 \def\btxandshort##1{\protect\foreignlanguage{#1}{e}}%
895 \def\btxandlong##1{\protect\foreignlanguage{#1}{e}}%
896 \def\btxandcomma##1{}%
897 \def\btxinlong##1{\protect\foreignlanguage{#1}{in}}%
898 \def\btxinshort##1{\protect\foreignlanguage{#1}{in}}%
899 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{della serie}}%
900 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{nella serie}}%
901 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{della serie}}%
902 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{nella serie}}%
903 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{cur##1{}}}%
904 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{curatore}}%
905 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{cur##1{}}}%
906 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{curatori}}%
907 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
908 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}%
909 \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{no##1{}}}%
910 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{numero}}%
911 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
912 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edizione}}%
913 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1{}}}%
914 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{capitolo}}%
915 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
916 \def\btxpagelong##1{\protect\foreignlanguage{#1}{pagina}}%
917 \def\btxpageshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
918 \def\btxpagelong##1{\protect\foreignlanguage{#1}{pagine}}%
919 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{tesi di laurea}}%
920 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{tesi di dottorato}}%
921 \def\btxttechrepsort##1{\protect\foreignlanguage{#1}{Rapp. \ Tecnico}}%
922 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{Rapporto Tecnico}}%
923 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{gennaio}}%
924 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{febbraio}}%
925 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{marzo}}%
926 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{aprile}}%
927 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{maggio}}%
928 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{giugno}}%
929 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{luglio}}%
930 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{agosto}}%
931 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{settembre}}%
932 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{ottobre}}%
933 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{novembre}}%
934 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{dicembre}}%
935 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{gen##1{}}}%
936 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{feb##1{}}}%
937 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mar##1{}}}%
938 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{apr##1{}}}%
939 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{mag##1{}}}%
940 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{giu##1{}}}%
941 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{lug##1{}}}%
942 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{ago##1{}}}%

```

```

943 \def\btixonsepshort##1{\protect\foreignlanguage{#1}{set##1{}}}%
944 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{ott##1{}}}%
945 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
946 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{dic##1{}}}%
947 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Nel}}%
948 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Nel}}%
949 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Cur##1{}}}%
950 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Curatore}}%
951 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Cur##1{}}}%
952 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Curatori}}%
953 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
954 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
955 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{No##1{}}}%
956 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Numero}}%
957 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
958 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edizione}}%
959 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
960 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Capitolo}}%
961 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
962 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Pagina}}%
963 \def\Btxpagesesshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
964 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pagine}}%
965 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Rap. \ Tecnico}}%
966 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Rapporto Tecnico}}%
967 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, accesso a ##1}}%
968 \def\btxfnamespaceshort{\,%
969 \def\btxfnamespacelong{ }%
970 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
971 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%
972 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%

```

Names of all known languages in the current language.

```

973 \ifbbblanguagenames
974 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{inglese}}%
975 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{tedesco}}%
976 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portoghese}}%
977 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portoghese}}%
978 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{inglese}}%
979 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgaro}}%
980 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{inglese}}%
981 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{francese}}%
982 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalano}}%
983 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croato}}%
984 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{ceco}}%
985 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{danese}}%
986 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{olandese}}%
987 \def\btxlanguagename english{\protect\foreignlanguage{#1}{inglese}}%
988 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
989 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finlandese}}%
990 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{francese}}%

```

```

991 \def\btxlabelnamefrench{\protect\foreignlanguage{#1}{francese}}%
992 \def\btxlabelnamefrenchb{\protect\foreignlanguage{#1}{francese}}%
993 \def\btxlabelnamegerman{\protect\foreignlanguage{#1}{tedesco}}%
994 \def\btxlabelnamegermanb{\protect\foreignlanguage{#1}{tedesco}}%
995 \def\btxlabelnamegreek{\protect\foreignlanguage{#1}{greco}}%
996 \def\btxlabelnamehebrew{\protect\foreignlanguage{#1}{ebreo}}%
997 \def\btxlabelnamehungarian{\protect\foreignlanguage{#1}{ungherese}}%
998 \def\btxlabelnameicelandic{\protect\foreignlanguage{#1}{islandese}}%
999 \def\btxlabelnameirish{\protect\foreignlanguage{#1}{irlandese}}%
1000 \def\btxlabelnameitalian{\protect\foreignlanguage{#1}{italiano}}%
1001 \def\btxlabelnamelatin{\protect\foreignlanguage{#1}{latino}}%
1002 \def\btxlabelnamenaustralian{\protect\foreignlanguage{#1}{tedesco}}%
1003 \def\btxlabelnamenengerman{\protect\foreignlanguage{#1}{tedesco}}%
1004 \def\btxlabelnamenorsk{\protect\foreignlanguage{#1}{norvegese}}%
1005 \def\btxlabelnamenynorsk{\protect\foreignlanguage{#1}{nuovo norvegese}}%
1006 \def\btxlabelnamepolish{\protect\foreignlanguage{#1}{polacco}}%
1007 \def\btxlabelnameportuges{\protect\foreignlanguage{#1}{portoghese}}%
1008 \def\btxlabelnameportuguese{\protect\foreignlanguage{#1}{portoghese}}%
1009 \def\btxlabelnamerussian{\protect\foreignlanguage{#1}{russo}}%
1010 \def\btxlabelnamescottish{\protect\foreignlanguage{#1}{scozzese}}%
1011 \def\btxlabelnameserbian{\protect\foreignlanguage{#1}{serbo}}%
1012 \def\btxlabelnamespanish{\protect\foreignlanguage{#1}{spagnolo}}%
1013 \def\btxlabelnameswedish{\protect\foreignlanguage{#1}{svedese}}%
1014 \def\btxlabelnameturkish{\protect\foreignlanguage{#1}{turco}}%
1015 \def\btxlabelnameUKenglish{\protect\foreignlanguage{#1}{inglese}}%
1016 \def\btxlabelnameUSenglish{\protect\foreignlanguage{#1}{inglese}}%
1017 \fi
1018 }

```

Append the definitions to the language-calling commands.

```

1019 \AtBeginDocument{%
1020 \ifbbbfixlanguage
1021 \else
1022 \bbbaddto{italian}{bibsitalian}
1023 \fi

```

Switch off the change of case in titles for Italian by appending \btixifchangeoff to \extrasitalian.

```

1024 \bbbaddto{italian}{btixifchangeoff}
1025 }
1026 </italian>

```

9.3.5 Greek

```

1027 <*greek>

```

The language definition for Greek was provided by Prokopis Prokopidis.

\bibsreek Bibliographic commands for Greek.

```

1028 \newcommand\bibsreek[1][greek]{%
1029 \def\biblanguagename{#1}%

```

```

1030 \def\btxetalshort##1{\protect\foreignlanguage{#1}{k.'a##1{}}}%
1031 \def\btxetallong##1{\protect\foreignlanguage{#1}{kai 'alloi}}%
1032 \def\btxandshort##1{\protect\foreignlanguage{#1}{kai}}%
1033 \def\btxandlong##1{\protect\foreignlanguage{#1}{kai}}%
1034 \def\btxandcomma##1{,}%
1035 \def\btxinlong##1{\protect\foreignlanguage{#1}{sto}}%
1036 \def\btxinshort##1{\protect\foreignlanguage{#1}{sto}}%
1037 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{tou}}%
1038 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{sto}}%
1039 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{tou}}%
1040 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{sto}}%
1041 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{epim##1{}}}%
1042 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{epimelht'hc}}%
1043 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{epim##1{}}}%
1044 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{epimelht'ec}}%
1045 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{t'om##1{}}}%
1046 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{t'omoc}}%
1047 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{ar##1{}}}%
1048 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{arijm'oc}}%
1049 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{'ekd##1{}}}%
1050 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{'ekdosh}}%
1051 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{kef##1{}}}%
1052 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{kef'alaio}}%
1053 \def\btxpageshort##1{\protect\foreignlanguage{#1}{sel##1{}}}%
1054 \def\btxpagelong##1{\protect\foreignlanguage{#1}{sel'ida}}%
1055 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{sel##1{}}}%
1056 \def\btxpageslong##1{\protect\foreignlanguage{#1}{sel'idec}}%
1057 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Metaptuqiak'h ergas'ia}}%
1058 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Didaktorik'h diatrib'h}}%
1059 \def\btxtechrepsshort##1{\protect\foreignlanguage{#1}{Teqn.\ anaf##1{}}}%
1060 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Teqnik'h anafor'a}}%
1061 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Ianou'arioc}}%
1062 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Febrou'arioc}}%
1063 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{M'artioc}}%
1064 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{Apr'ilioc}}%
1065 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{M'aioc}}%
1066 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Io'unio}}%
1067 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Io'ulio}}%
1068 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{A'ugoustoc}}%
1069 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Sept'embrioc}}%
1070 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Okt'wbrioc}}%
1071 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{No'embrioc}}%
1072 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Dek'embrioc}}%
1073 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Ian##1{}}}%
1074 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
1075 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{M'ar##1{}}}%
1076 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
1077 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{M'ai}}%
1078 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Io'un##1{}}}%
1079 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Io'ul##1{}}}%

```

```

1080 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{A'ug##1{}}}%
1081 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sept##1{}}}%
1082 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
1083 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{No'e##1{}}}%
1084 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dek##1{}}}%
1085 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Sto}}%
1086 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Sto}}%
1087 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Epim##1{}}}%
1088 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Epimelht'hc}}%
1089 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Epim##1{}}}%
1090 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Epimelht'ec}}%
1091 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{T'om##1{}}}%
1092 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{T'omoc}}%
1093 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Ar##1{}}}%
1094 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Arijm'oc}}%
1095 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{'Ekd##1{}}}%
1096 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{'Ekdosh}}%
1097 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Kef##1{}}}%
1098 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Kef'alaio}}%
1099 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Sel##1{}}}%
1100 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Sel'ida}}%
1101 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Sel##1{}}}%
1102 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Sel'idec}}%
1103 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Teqn.\ Anaf##1{}}}%
1104 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Teqnik'h Anafor'a}}%
1105 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, ep'iskeyh thn ##1}}%
1106 \def\btxfnamespaceshort{\,%
1107 \def\btxfnamespacelong{ }%
1108 \def\btxnumeralshort##1{\protect\foreignlanguage{#1}{%
1109 \ifnumber{##1}{##1h}{##1}}}%
1110 \def\btxnumerallong##1{\protect\foreignlanguage{#1}{\ifnumber{##1}{%
1111 \ifcase##1 ##1h\or pr'wth\or de'uterh\or tr'ith\or t'etarth%
1112 \or p'empth\or 'ekth\or 'ebdomh\or 'ogdoh\or 'enath\else ##1h\fi
1113 }{##1}}}%
1114 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%

```

Names of all known languages in the current language.

```

1115 \ifbbblanguagenames
1116 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{agglik'a}}%
1117 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{germanik'a}}%
1118 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portogalik'a}}%
1119 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portogalik'a}}%
1120 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{agglik'a}}%
1121 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{boulgarik'a}}%
1122 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{agglik'a}}%
1123 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{gallik'a}}%
1124 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalanik'a}}%
1125 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroatik'a}}%
1126 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tseqik'a}}%
1127 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{danik'a}}%

```

```

1128 \def\btxlabelnamedutch{\protect\foreignlanguage{#1}{ollandik'a}}%
1129 \def\btxlabelnameenglish{\protect\foreignlanguage{#1}{agglik'a}}%
1130 \def\btxlabelnameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
1131 \def\btxlabelnamefinnish{\protect\foreignlanguage{#1}{finlandik'a}}%
1132 \def\btxlabelnamefrancais{\protect\foreignlanguage{#1}{gallik'a}}%
1133 \def\btxlabelnamefrench{\protect\foreignlanguage{#1}{gallik'a}}%
1134 \def\btxlabelnamefrenchb{\protect\foreignlanguage{#1}{gallik'a}}%
1135 \def\btxlabelnamegerman{\protect\foreignlanguage{#1}{germanik'a}}%
1136 \def\btxlabelnamegermanb{\protect\foreignlanguage{#1}{germanik'a}}%
1137 \def\btxlabelnamegreek{\protect\foreignlanguage{#1}{ellhnik'a}}%
1138 \def\btxlabelnamehebrew{\protect\foreignlanguage{#1}{ebra'ik'a}}%
1139 \def\btxlabelnamehungarian{\protect\foreignlanguage{#1}{ougrik'a}}%
1140 \def\btxlabelnameicelandic{\protect\foreignlanguage{#1}{islandik'a}}%
1141 \def\btxlabelnameirish{\protect\foreignlanguage{#1}{irlandik'a}}%
1142 \def\btxlabelnameitalian{\protect\foreignlanguage{#1}{italik'a}}%
1143 \def\btxlabelnamelatin{\protect\foreignlanguage{#1}{latinik'a}}%
1144 \def\btxlabelnamenaustrian{\protect\foreignlanguage{#1}{germanik'a}}%
1145 \def\btxlabelnamengerman{\protect\foreignlanguage{#1}{germanik'a}}%
1146 \def\btxlabelnamenorsk{\protect\foreignlanguage{#1}{norbhgik'a}}%
1147 \def\btxlabelnamenynorsk{\protect\foreignlanguage{#1}{n'ea norbhgik'a}}%
1148 \def\btxlabelnamepolish{\protect\foreignlanguage{#1}{polwnik'a}}%
1149 \def\btxlabelnameportuges{\protect\foreignlanguage{#1}{portogalik'a}}%
1150 \def\btxlabelnameportuguese{\protect\foreignlanguage{#1}{portogalik'a}}%
1151 \def\btxlabelnamerussian{\protect\foreignlanguage{#1}{rwsik'a}}%
1152 \def\btxlabelnamescottish{\protect\foreignlanguage{#1}{skwts'ezika}}%
1153 \def\btxlabelnameserbian{\protect\foreignlanguage{#1}{serbik'a}}%
1154 \def\btxlabelnamespanish{\protect\foreignlanguage{#1}{ispanik'a}}%
1155 \def\btxlabelnameswedish{\protect\foreignlanguage{#1}{souhdik'a}}%
1156 \def\btxlabelnameturkish{\protect\foreignlanguage{#1}{tourkik'a}}%
1157 \def\btxlabelnameUKenglish{\protect\foreignlanguage{#1}{agglik'a}}%
1158 \def\btxlabelnameUSenglish{\protect\foreignlanguage{#1}{agglik'a}}%
1159 \fi
1160 }

```

Append the definitions to the language-calling commands.

```

1161 \AtBeginDocument{%
1162 \ifbbbfixlanguage
1163 \else
1164 \bbbaddto{greek}{bibsgreek}
1165 \fi
1166 \bbbaddto{greek}{btixifchangeoff}
1167 }
1168 </greek>

```

9.3.6 Norwegian

```
1169 <*norsk>
```

The language definition for Norwegian was provided by Hans Fredrik Nordhaug.

\bibsnersk Bibliographic commands for Norsk.

```
1170 \newcommand\bibsnersk[1][norsk]{%
1171   \def\biblanguagename{#1}%
1172   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
1173   \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii{}}}%
1174   \def\btxandshort##1{\protect\foreignlanguage{#1}{og}}%
1175   \def\btxandlong##1{\protect\foreignlanguage{#1}{og}}%
1176   \def\btxandcomma##1{,}%
1177   \def\btxinlong##1{\protect\foreignlanguage{#1}{i}}%
1178   \def\btxinshort##1{\protect\foreignlanguage{#1}{i}}%
1179   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{av}}%
1180   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{i}}%
1181   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{av}}%
1182   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{i}}%
1183   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
1184   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redakt\o r}}%
1185   \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
1186   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redakt\o rer}}%
1187   \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{bd##1{}}}%
1188   \def\btxivolumelong##1{\protect\foreignlanguage{#1}{bind}}%
1189   \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
1190   \def\btxnnumberlong##1{\protect\foreignlanguage{#1}{nummer}}%
1191   \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{utg##1{}}}%
1192   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{utgave}}%
1193   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{kap##1{}}}%
1194   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{kapittel}}%
1195   \def\btxpageshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
1196   \def\btxpagelong##1{\protect\foreignlanguage{#1}{side}}%
1197   \def\btxpageshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
1198   \def\btxpageslong##1{\protect\foreignlanguage{#1}{sider}}%
1199   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Masteroppgave}}%
1200   \def\btxphdthesis##1{\protect\foreignlanguage{#1}{PhD-avhandling}}%
1201   \def\btxttechrepshort##1{\protect\foreignlanguage{#1}{tekn.\ rap##1{}}}%
1202   \def\btxttechreplong##1{\protect\foreignlanguage{#1}{teknisk rapport}}%
1203   \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januar}}%
1204   \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februar}}%
1205   \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Mars}}%
1206   \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
1207   \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mai}}%
1208   \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
1209   \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
1210   \def\btxmonauglong##1{\protect\foreignlanguage{#1}{August}}%
1211   \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
1212   \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}%
1213   \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
1214   \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Desember}}%
1215   \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
1216   \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
1217   \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%

```



```

1218 \def\btixonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
1219 \def\btixonmayshort##1{\protect\foreignlanguage{#1}{Mai}}}%
1220 \def\btixonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
1221 \def\btixonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
1222 \def\btixonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
1223 \def\btixonsepshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
1224 \def\btixonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
1225 \def\btixonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
1226 \def\btixondecshort##1{\protect\foreignlanguage{#1}{Des##1{}}}%
1227 \def\Btxinlong##1{\protect\foreignlanguage{#1}{I}}}%
1228 \def\Btxinshort##1{\protect\foreignlanguage{#1}{I}}}%
1229 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
1230 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redakt\o r}}}%
1231 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
1232 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redakt\o rer}}}%
1233 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Bd##1{}}}%
1234 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Bind}}}%
1235 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
1236 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nummer}}}%
1237 \def\Btxeditionsshort##1{\protect\foreignlanguage{#1}{Utg##1{}}}%
1238 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Utgave}}}%
1239 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Kap##1{}}}%
1240 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Kapittel}}}%
1241 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
1242 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Side}}}%
1243 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
1244 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Sider}}}%
1245 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tekn.\ rap##1{}}}%
1246 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Teknisk rapport}}}%
1247 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, sjekket: ##1}}}%
1248 \def\btxfnamespaceshort{\,}%
1249 \def\btxfnamespacelong{ }%
1250 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}}%
1251 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}}%
1252 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%

```

Names of all known languages in the current language.

```

1253 \ifbbblanguagenames
1254 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engelsk}}}%
1255 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{tysk}}}%
1256 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugisisk}}}%
1257 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugisisk}}}%
1258 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engelsk}}}%
1259 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgarsk}}}%
1260 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engelsk}}}%
1261 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{fransk}}}%
1262 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalansk}}}%
1263 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroatisk}}}%
1264 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tsjekkisk}}}%
1265 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{dansk}}}%

```

```

1266 \def\btxlabelnamedutch{\protect\foreignlanguage{#1}{nederlands}}%
1267 \def\btxlabelnameenglish{\protect\foreignlanguage{#1}{engels}}%
1268 \def\btxlabelnameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
1269 \def\btxlabelnamefinnish{\protect\foreignlanguage{#1}{finsk}}%
1270 \def\btxlabelnamefrancais{\protect\foreignlanguage{#1}{fransk}}%
1271 \def\btxlabelnamefrench{\protect\foreignlanguage{#1}{fransk}}%
1272 \def\btxlabelnamefrenchb{\protect\foreignlanguage{#1}{fransk}}%
1273 \def\btxlabelnamegerman{\protect\foreignlanguage{#1}{tysk}}%
1274 \def\btxlabelnamegermanb{\protect\foreignlanguage{#1}{tysk}}%
1275 \def\btxlabelnamegreek{\protect\foreignlanguage{#1}{gr\ae sk}}%
1276 \def\btxlabelnamehebrew{\protect\foreignlanguage{#1}{hebraisk}}%
1277 \def\btxlabelnamehungarian{\protect\foreignlanguage{#1}{ungarsk}}%
1278 \def\btxlabelnameicelandic{\protect\foreignlanguage{#1}{islandsk}}%
1279 \def\btxlabelnameirish{\protect\foreignlanguage{#1}{irsk}}%
1280 \def\btxlabelnameitalian{\protect\foreignlanguage{#1}{italiensk}}%
1281 \def\btxlabelnamelatin{\protect\foreignlanguage{#1}{latinsk}}%
1282 \def\btxlabelnamenaustralian{\protect\foreignlanguage{#1}{tysk}}%
1283 \def\btxlabelnamengerman{\protect\foreignlanguage{#1}{tysk}}%
1284 \def\btxlabelnamenorsk{\protect\foreignlanguage{#1}{norsk}}%
1285 \def\btxlabelnamenynorsk{\protect\foreignlanguage{#1}{nynorsk}}%
1286 \def\btxlabelnamepolish{\protect\foreignlanguage{#1}{polsk}}%
1287 \def\btxlabelnameportuges{\protect\foreignlanguage{#1}{portugisisk}}%
1288 \def\btxlabelnameportuguese{\protect\foreignlanguage{#1}{portugisisk}}%
1289 \def\btxlabelnamerussian{\protect\foreignlanguage{#1}{russisk}}%
1290 \def\btxlabelnamescottish{\protect\foreignlanguage{#1}{skotsk}}%
1291 \def\btxlabelnameserbian{\protect\foreignlanguage{#1}{serbisk}}%
1292 \def\btxlabelnamespanish{\protect\foreignlanguage{#1}{spansk}}%
1293 \def\btxlabelnameswedish{\protect\foreignlanguage{#1}{svensk}}%
1294 \def\btxlabelnameturkish{\protect\foreignlanguage{#1}{tyrkisk}}%
1295 \def\btxlabelnameUKenglish{\protect\foreignlanguage{#1}{engelsk}}%
1296 \def\btxlabelnameUSenglish{\protect\foreignlanguage{#1}{engelsk}}%
1297 \fi
1298 }
1299 \newcommand\bibsnorwegian{\bibsnorsk}

```

Append the definitions to the language-calling commands.

```

1300 \AtBeginDocument{%
1301   \ifbbbfixlanguage
1302   \else
1303     \bbbbaddto{norsk}{bibsnorsk}
1304   \fi

```

Switch off the change of case in titles for Norsk by appending \btixifchangeoff to \extrasnorsk.

```

1305   \bbbbaddto{norsk}{btixifchangeoff}
1306 }
1307 \</norsk>

```

9.3.7 French

1308 \langle *french)

\bibs french french.sty already defines \bibs french. In this case it has to be redefined, otherwise newly defined.

1309 \makeatletter

1310 \@ifpackageloaded{french}{\newcommand\bibs french{}}

1311 \makeatother

Bibliographic commands for French.

1312 \renewcommand\bibs french[1][french]{%

1313 \def\biblanguagename{#1}%

1314 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1}}%

1315 \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii}}%

1316 \def\btxandshort##1{\protect\foreignlanguage{#1}{et}}%

1317 \def\btxandlong##1{\protect\foreignlanguage{#1}{et}}%

1318 \def\btxandcomma##1{,}%

1319 \def\btxinlong##1{\protect\foreignlanguage{#1}{dans}}%

1320 \def\btxinshort##1{\protect\foreignlanguage{#1}{dans}}%

1321 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{de}}%

1322 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{dans}}%

1323 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}%

1324 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{dans}}%

1325 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{r'ed##1}}%

1326 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{r'edacteur}}%

1327 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{r'eds##1}}%

1328 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{r'edacteurs}}%

1329 \def\btxvolumeshort##1{\protect\foreignlanguage{#1}{tome##1}}%

1330 \def\btxvolumelong##1{\protect\foreignlanguage{#1}{tome}}%

1331 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{%
no\kern.2em\relax}}%

1332 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{num'ero}}%

1333 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{'ed##1}}%

1334 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{'edition}}%

1335 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{chap##1}}%

1336 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{chapitre}}%

1337 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1}}%

1338 \def\btxpagelong##1{\protect\foreignlanguage{#1}{page}}%

1339 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{p##1}}%

1340 \def\btxpageslong##1{\protect\foreignlanguage{#1}{pages}}%

1341 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{M'emoire de ma'itrise}}%

1342 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Th'ese de doctorat}}%

1343 \def\btxttechrephshort##1{\protect\foreignlanguage{#1}{rap.\ tech##1}}%

1344 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{rapport technique}}%

1345 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{janvier}}%

1346 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{f'evrier}}%

1347 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{mars}}%

1348 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{avril}}%

1349 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{mai}}%

1350 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{juin}}%

1351 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{juillet}}%

```

1353 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{ao\`ut}}%
1354 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{septembre}}%
1355 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{octobre}}%
1356 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{novembre}}%
1357 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{d\`ecembre}}%
1358 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{jan##1{}}}%
1359 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{f\`ev##1{}}}%
1360 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mar##1{}}}%
1361 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{avr##1{}}}%
1362 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{mai}}%
1363 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{juin}}%
1364 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{juil##1{}}}%
1365 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{ao\`ut}}%
1366 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{sept##1{}}}%
1367 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{oct##1{}}}%
1368 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
1369 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{d\`ec##1{}}}%
1370 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Dans}}%
1371 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Dans}}%
1372 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{R\`ed##1{}}}%
1373 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{R\`edacteur}}%
1374 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{R\`eds##1{}}}%
1375 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{R\`edacteurs}}%
1376 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{T##1{}}}%
1377 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Tome}}%
1378 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{%
1379     N\textsuperscript{o}\kern.2em\relax}}%
1380 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Num\`ero}}%
1381 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{\`Ed##1{}}}%
1382 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{\`Edition}}%
1383 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Chap##1{}}}%
1384 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Chapitre}}%
1385 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
1386 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Page}}%
1387 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
1388 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pages}}%
1389 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Rap. tech##1{}}}%
1390 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Rapport technique}}%
1391 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, visit\`e le ##1}}%
1392 \def\btxfnamespaceshort{\,}%
1393 \def\btxfnamespacelong{ }%
1394 \def\btxnumeralshort##1{\btxnumeralfrench{#1}{##1}}%
1395 \def\btxnumerallong##1{\btxnumeralfrench{#1}{##1}}%
1396 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%

```

Names of all known languages in the current language.

```

1397 \ifbbblanguagenames
1398     \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{anglais}}%
1399     \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{allemand}}%
1400     \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugais}}%

```

```

1401 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugais}}%
1402 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{anglais}}%
1403 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgare}}%
1404 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{anglais}}%
1405 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{fran\c{c}ais}}%
1406 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalan}}%
1407 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croate}}%
1408 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tch\`eque}}%
1409 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{danois}}%
1410 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{n\`eerlandais}}%
1411 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{anglais}}%
1412 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
1413 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finnois}}%
1414 \def\btxlanguagenamefrançais{\protect\foreignlanguage{#1}{fran\c{c}ais}}%
1415 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{fran\c{c}ais}}%
1416 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{fran\c{c}ais}}%
1417 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{allemand}}%
1418 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{allemand}}%
1419 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{grec}}%
1420 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{h\`ebreu}}%
1421 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{hongrois}}%
1422 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islandais}}%
1423 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irlandais}}%
1424 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italien}}%
1425 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latin}}%
1426 \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{allemand}}%
1427 \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{allemand}}%
1428 \def\btxlanguagenamenorsk{\protect\foreignlanguage{#1}{norv\`egien}}%
1429 \def\btxlanguagenamenynorsk{\protect\foreignlanguage{#1}{nouveau
1430     norv\`egien}}%
1431 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polonais}}%
1432 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugais}}%
1433 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugais}}%
1434 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{russe}}%
1435 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{\`e cossais}}%
1436 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbe}}%
1437 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{espagnol}}%
1438 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{su\`edois}}%
1439 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turc}}%
1440 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{anglais}}%
1441 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{anglais}}%
1442 \fi
1443 }

```

Copy the commands to the other languages.

```

1444 \newcommand\bibsfraçais{\bibsfrench[français]}
1445 \newcommand\bibsfrenchb{\bibsfrench[frenchb]}
1446 \newcommand\bibscanadien{\bibsfrench[canadien]}

```

Append the definitions to the language-calling commands.

```

1447 \AtBeginDocument{%
1448   \ifbbbfixlanguage
1449   \else
1450     \bbbbaddto{francais}{bibsfrancais}
1451     \bbbbaddto{french}{bibsfrench}
1452     \bbbbaddto{frenchb}{bibsfrenchb}
1453     \bbbbaddto{canadien}{bibscanadien}
1454   \fi

  Switch on the change of case in titles for all French dialects by appending
  \btixifchangeoff to \extras{language}.

1455   \bbbbaddto{francais}{btixifchangeoff}
1456   \bbbbaddto{french}{btixifchangeoff}
1457   \bbbbaddto{frenchb}{btixifchangeoff}
1458   \bbbbaddto{canadien}{btixifchangeoff}
1459 }

```

\btxnumeralfrench

```

1460 \makeatletter
1461 \DeclareRobustCommand\btxnumeralfrench[2]{%
1462   \foreignlanguage{#1}{%
1463     \ifnumber{#2}{%
1464       \expandafter\btx@parsenum#2\@empty\@empty\@empty
1465       \btxnumeralfont{%
1466         \ifx\btx@digitb\@empty
1467           \ifcase\btx@digita \ieme\or \iere\else \ieme\fi
1468         \else
1469           \ifnum\btx@digita=1
1470             th%
1471           \else
1472             \ifcase\btx@digitb \ieme\or \iere\else \ieme\fi
1473           \fi
1474         \fi
1475       }%
1476     }{#2}%
1477   }%
1478 }
1479 \makeatother

1480 </french>

```

9.3.8 Russian

```
1481 <*russian>
```

\bibrussian Bibliographic commands for Russian.

```

1482 \newcommand\bibrussian[1][russian]{%
1483   \def\biblanguagename{#1}%
1484   \def\btxetalshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri }~\IeC
1485     {\cyrd }\IeC {\cyrr }.##1{}}}%

```

```

1486 \def\btxetallong##1{\protect\foreignlanguage{#1}{\IeC {\cyri }~\IeC
1487   {\cyrd }\IeC {\cyrr }\IeC {\cyru }\IeC {\cyrg }\IeC {\cyri }\IeC
1488   {\cyre }}}%
1489 \def\btxandshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri }}}%
1490 \def\btxandlong##1{\protect\foreignlanguage{#1}{\IeC {\cyri }}}%
1491 \def\btxandcomma##1{,}%
1492 \def\btxinlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrv }}}%
1493 \def\btxinshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrv }}}%
1494 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri
1495   }\IeC {\cyrz }}}%
1496 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrv }}}%
1497 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{\IeC {\cyri
1498   }\IeC {\cyrz }}}%
1499 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{\IeC {\cyrv }}}%
1500 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1501   }\IeC {\cyre }\IeC {\cyrd }.##1{}}}%
1502 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrr }\IeC
1503   {\cyre }\IeC {\cyrd }\IeC {\cyra }\IeC {\cyrk }\IeC {\cyrt }\IeC
1504   {\cyro }\IeC {\cyrr }}}%
1505 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1506   }\IeC {\cyre }\IeC {\cyrd }.##1{}}}%
1507 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1508   }\IeC {\cyre }\IeC {\cyrd }\IeC {\cyra }\IeC {\cyrk }\IeC {\cyrt
1509   }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrery }}}%
1510 \def\btxvolumeshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrt }.##1{}}}%
1511 \def\btxvolumelong##1{\protect\foreignlanguage{#1}{\IeC {\cyrt }\IeC
1512   {\cyro }\IeC {\cyrm }}}%
1513 \def\btxnumbersshort##1{\protect\foreignlanguage{#1}{%
1514   n\textsuperscript{\underline{o}}}}%
1515 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrn }\IeC
1516   {\cyro }\IeC {\cyrm }\IeC {\cyre }\IeC {\cyrr }}}%
1517 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1518   }\IeC {\cyre }\IeC {\cyrd }.##1{}}}%
1519 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1520   }\IeC {\cyre }\IeC {\cyrd }\IeC {\cyra }\IeC {\cyrk }\IeC {\cyrc
1521   }\IeC {\cyri }\IeC {\cyrya }}}%
1522 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{\IeC {\cyrg
1523   }\IeC {\cyr l }.##1{}}}%
1524 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrg
1525   }\IeC {\cyr l }\IeC {\cyra }\IeC {\cyrv }\IeC {\cyra }}}%
1526 \def\btxpageshort##1{\protect\foreignlanguage{#1}{\IeC {\cyr s }\IeC
1527   {\cyrt }\IeC {\cyrr }.##1{}}}%
1528 \def\btxpagelong##1{\protect\foreignlanguage{#1}{\IeC {\cyr s }\IeC
1529   {\cyrt }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyr n }\IeC {\cyri }\IeC
1530   {\cyrc }\IeC {\cyra }}}%
1531 \def\btxpageshort##1{\protect\foreignlanguage{#1}{\IeC {\cyr s }\IeC
1532   {\cyrt }\IeC {\cyrr }.##1{}}}%
1533 \def\btxpagelong##1{\protect\foreignlanguage{#1}{\IeC {\cyr s }\IeC
1534   {\cyrt }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyr n }\IeC {\cyri }\IeC
1535   {\cyrc }\IeC {\cyrery }}}%

```

```

1536 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{\IeC {\CYRD } \IeC
1537   {\cyri } \IeC {\cyrp } \IeC {\cyr1 } \IeC {\cyro } \IeC {\cyrm }
1538   \IeC {\cyrm } \IeC {\cyra } \IeC {\cyrg } \IeC {\cyri } \IeC {\cyrS
1539   } \IeC {\cyrt } \IeC {\cyrr } \IeC {\cyra } } }%
1540 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{\IeC {\CYRK } \IeC
1541   {\cyra } \IeC {\cyrn } \IeC {\cyrd } \IeC {\cyri } \IeC {\cyrd } \IeC
1542   {\cyra } \IeC {\cyrt } \IeC {\cyrS } \IeC {\cyrk } \IeC {\cyra } \IeC
1543   {\cyrya } \IeC {\cyrd } \IeC {\cyri } \IeC {\cyrS } \IeC {\cyrS
1544   } \IeC {\cyre } \IeC {\cyrr } \IeC {\cyrt } \IeC {\cyra } \IeC {\cyrc
1545   } \IeC {\cyri } \IeC {\cyrya } } }%
1546 \def\btxttechrepsshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrt
1547   } \IeC {\cyre } \IeC {\cyrh } . \IeC {\cyro } \IeC {\cyrt } \IeC
1548   {\cyrch } \IeC {\cyre } \IeC {\cyrt } ##1{ } } }%
1549 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{\IeC {\cyrt
1550   } \IeC {\cyre } \IeC {\cyrh } \IeC {\cyrn } \IeC {\cyri } \IeC
1551   {\cyrch } \IeC {\cyre } \IeC {\cyrS } \IeC {\cyrk } \IeC {\cyri
1552   } \IeC {\cyrishrt } \IeC {\cyro } \IeC {\cyrt } \IeC {\cyrch } \IeC
1553   {\cyre } \IeC {\cyrt } } }%
1554 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrya
1555   } \IeC {\cyrn } \IeC {\cyrv } \IeC {\cyra } \IeC {\cyrr } \IeC
1556   {\cyrSftsn } } }%
1557 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{\IeC {\cyrf } \IeC
1558   {\cyre } \IeC {\cyrv } \IeC {\cyrr } \IeC {\cyra } \IeC {\cyr1 } \IeC
1559   {\cyrSftsn } } }%
1560 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrm } \IeC
1561   {\cyra } \IeC {\cyrr } \IeC {\cyrt } } }%
1562 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{\IeC {\cyra } \IeC
1563   {\cyrp } \IeC {\cyrr } \IeC {\cyre } \IeC {\cyr1 } \IeC {\cyrSftsn
1564   } } }%
1565 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{\IeC {\cyrm } \IeC
1566   {\cyra } \IeC {\cyrishrt } } }%
1567 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{\IeC {\cyri } \IeC
1568   {\cyryu } \IeC {\cyrn } \IeC {\cyrSftsn } } }%
1569 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{\IeC {\cyri } \IeC
1570   {\cyryu } \IeC {\cyr1 } \IeC {\cyrSftsn } } }%
1571 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{\IeC {\cyra } \IeC
1572   {\cyrv } \IeC {\cyrg } \IeC {\cyru } \IeC {\cyrS } \IeC {\cyrt } } }%
1573 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{\IeC {\cyrS } \IeC
1574   {\cyre } \IeC {\cyrn } \IeC {\cyrt } \IeC {\cyrya } \IeC {\cyrb
1575   } \IeC {\cyrr } \IeC {\cyrSftsn } } }%
1576 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{\IeC {\cyro } \IeC
1577   {\cyrk } \IeC {\cyrt } \IeC {\cyrya } \IeC {\cyrb } \IeC {\cyrr
1578   } \IeC {\cyrSftsn } } }%
1579 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrn } \IeC
1580   {\cyro } \IeC {\cyrya } \IeC {\cyrb } \IeC {\cyrr } \IeC {\cyrSftsn
1581   } } }%
1582 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{\IeC {\cyrd } \IeC
1583   {\cyre } \IeC {\cyrk } \IeC {\cyra } \IeC {\cyrb } \IeC {\cyrr } \IeC
1584   {\cyrSftsn } } }%
1585 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrya

```



```

1586     }\IeC {\cyrn }\IeC {\cyrv }.##1{}}}%
1587 \def\btxmonfebsshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrf
1588     }\IeC {\cyre }\IeC {\cyrv }.##1{}}}%
1589 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrn
1590     }\IeC {\cyra }\IeC {\cyrr }.##1{}}}%
1591 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{\IeC {\cyra
1592     }\IeC {\cyrp }\IeC {\cyrr }.##1{}}}%
1593 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrn
1594     }\IeC {\cyra }\IeC {\cyrishrt }}}}%
1595 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri
1596     }\IeC {\cyryu }\IeC {\cyrn }\IeC {\cyrstsn }##1{}}}%
1597 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri
1598     }\IeC {\cyryu }\IeC {\cyr1 }\IeC {\cyrstsn }##1{}}}%
1599 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{\IeC {\cyra
1600     }\IeC {\cyrv }\IeC {\cyrg }.##1{}}}%
1601 \def\btxmonsepshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrst
1602     }\IeC {\cyre }\IeC {\cyrn }.##1{}}}%
1603 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{\IeC {\cyr1
1604     }\IeC {\cyrk }\IeC {\cyr1 }.##1{}}}%
1605 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrn
1606     }\IeC {\cyr1 }\IeC {\cyr1a }.##1{}}}%
1607 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{\IeC {\cyr1
1608     }\IeC {\cyre }\IeC {\cyrk }.##1{}}}%
1609 \def\Btxinlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRV }}}}%
1610 \def\Btxinshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRV }}}}%
1611 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1612     }\IeC {\cyre }\IeC {\cyrd }.##1{}}}%
1613 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRR }\IeC
1614     {\cyre }\IeC {\cyrd }\IeC {\cyra }\IeC {\cyrk }\IeC {\cyr1 }\IeC
1615     {\cyr1a }\IeC {\cyr1a }}}}%
1616 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1617     }\IeC {\cyre }\IeC {\cyrd }.##1{}}}%
1618 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1619     }\IeC {\cyre }\IeC {\cyrd }\IeC {\cyra }\IeC {\cyrk }\IeC {\cyr1
1620     }\IeC {\cyr1a }}}}%
1621 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRT }.##1{}}}%
1622 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{\IeC {\CYRT }\IeC
1623     {\cyr1a }\IeC {\cyr1a }}}}%
1624 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{%
1625     N\textsuperscript{\underline{o}}}}}%
1626 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRN }\IeC
1627     {\cyr1a }\IeC {\cyr1a }\IeC {\cyre }\IeC {\cyr1a }}}}%
1628 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1629     }\IeC {\cyre }\IeC {\cyrd }.##1{}}}%
1630 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1631     }\IeC {\cyre }\IeC {\cyrd }\IeC {\cyra }\IeC {\cyrk }\IeC {\cyr1
1632     }\IeC {\cyr1a }}}}%
1633 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{\IeC {\CYRG
1634     }\IeC {\cyr1a }.##1{}}}%
1635 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRG

```

```

1636     }\IeC {\cyrl }\IeC {\cyra }\IeC {\cyrv }\IeC {\cyra }}}%
1637 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRS }\IeC
1638   {\cyrt }\IeC {\cyrr }.##1{}}}%
1639 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{\IeC {\CYRS }\IeC
1640   {\cyrt }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyri }\IeC
1641   {\cyrc }\IeC {\cyra }}}%
1642 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRS }\IeC
1643   {\cyrt }\IeC {\cyrr }.##1{}}}%
1644 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{\IeC {\CYRS }\IeC
1645   {\cyrt }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyri }\IeC
1646   {\cyrc }\IeC {\cyrrery }}}%
1647 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRT
1648   }\IeC {\cyre }\IeC {\cyrh }. \IeC {\cyro }\IeC {\cyrt }\IeC
1649   {\cyrch }\IeC {\cyre }\IeC {\cyrt }.##1{}}}%
1650 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{\IeC {\CYRT
1651   }\IeC {\cyre }\IeC {\cyrh }\IeC {\cyrn }\IeC {\cyri }\IeC
1652   {\cyrch }\IeC {\cyre }\IeC {\cyrn }\IeC {\cyrk }\IeC {\cyri
1653   }\IeC {\cyrishrt } \IeC {\cyro }\IeC {\cyrt }\IeC {\cyrch }\IeC
1654   {\cyre }\IeC {\cyrt }}}%
1655 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, \IeC {\cyrp
1656   }\IeC {\cyro }\IeC {\cyrn }\IeC {\cyre }\IeC {\cyrshch }\IeC
1657   {\cyre }\IeC {\cyrn }\IeC {\cyro } ##1{}}}%
1658 \def\btxfnamespaceshort{\,}%
1659 \def\btxfnamespacelong{ }%
1660 \def\btxnnumerashort##1{\btxnnumeralfallback{#1}{##1}}%
1661 \def\btxnnumerallong##1{\btxnnumeralfallback{#1}{##1}}%
1662 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
1663 \ifbbblanguagenames
1664   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{\IeC
1665     {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyrl }\IeC {\cyri
1666     }\IeC {\cyrishrt }\IeC {\cyrn }\IeC {\cyrk }\IeC {\cyri }\IeC
1667     {\cyrishrt }}}%
1668   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{\IeC
1669     {\cyra }\IeC {\cyrv }\IeC {\cyrn }\IeC {\cyrt }\IeC {\cyrr
1670     }\IeC {\cyri }\IeC {\cyrishrt }\IeC {\cyrn }\IeC {\cyrk }\IeC
1671     {\cyri }\IeC {\cyrishrt }}}%
1672   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{\IeC
1673     {\cyrp }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrt }\IeC {\cyru
1674     }\IeC {\cyrg }\IeC {\cyra }\IeC {\cyrl }\IeC {\cyrstsn }\IeC
1675     {\cyrn }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1676   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{\IeC
1677     {\cyrp }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrt }\IeC {\cyru
1678     }\IeC {\cyrg }\IeC {\cyra }\IeC {\cyrl }\IeC {\cyrstsn }\IeC
1679     {\cyrn }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1680   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{\IeC
1681     {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyrl }\IeC {\cyri
1682     }\IeC {\cyrishrt }\IeC {\cyrn }\IeC {\cyrk }\IeC {\cyri }\IeC
1683     {\cyrishrt }}}%
1684   \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{\IeC
1685     {\cyrb }\IeC {\cyro }\IeC {\cyrl }\IeC {\cyrg }\IeC {\cyra

```

```

1686      }\IeC {\cyrr }\IeC {\cysr }\IeC {\cyrk }\IeC {\cyri }\IeC
1687      {\cyrishrt }}}%
1688 \def\btxlanguagenamcanadian{\protect\foreignlanguage{#1}{\IeC
1689      {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyrl }\IeC {\cyri
1690      }\IeC {\cyrishrt }\IeC {\cysr }\IeC {\cyrk }\IeC {\cyri }\IeC
1691      {\cyrishrt }}}%
1692 \def\btxlanguagenamcanadien{\protect\foreignlanguage{#1}{\IeC
1693      {\cyrf }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyrc
1694      }\IeC {\cyru }\IeC {\cyrz }\IeC {\cysr }\IeC {\cyrk }\IeC
1695      {\cyri }\IeC {\cyrishrt }}}%
1696 \def\btxlanguagenamcatalan{\protect\foreignlanguage{#1}{\IeC
1697      {\cyrk }\IeC {\cyra }\IeC {\cyrt }\IeC {\cyra }\IeC {\cyrl
1698      }\IeC {\cyro }\IeC {\cyrn }\IeC {\cysr }\IeC {\cyrk }\IeC
1699      {\cyri }\IeC {\cyrishrt }}}%
1700 \def\btxlanguagenamcroatian{\protect\foreignlanguage{#1}{\IeC
1701      {\cyrh }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrv }\IeC {\cyra
1702      }\IeC {\cyrt }\IeC {\cysr }\IeC {\cyrk }\IeC {\cyri }\IeC
1703      {\cyrishrt }}}%
1704 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{\IeC
1705      {\cyrch }\IeC {\cyre }\IeC {\cyrr }\IeC {\cysr }\IeC {\cyrk
1706      }\IeC {\cyri }\IeC {\cyrishrt }}}%
1707 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{\IeC
1708      {\cyrd }\IeC {\cyra }\IeC {\cyrt }\IeC {\cysr }\IeC {\cyrk
1709      }\IeC {\cyri }\IeC {\cyrishrt }}}%
1710 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{\IeC {\cyrg
1711      }\IeC {\cyro }\IeC {\cyrl }\IeC {\cyrl }\IeC {\cyra }\IeC
1712      {\cyrn }\IeC {\cyrd }\IeC {\cysr }\IeC {\cyrk }\IeC {\cyri
1713      }\IeC {\cyrishrt }}}%
1714 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{\IeC
1715      {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyrl }\IeC {\cyri
1716      }\IeC {\cyrishrt }\IeC {\cysr }\IeC {\cyrk }\IeC {\cyri }\IeC
1717      {\cyrishrt }}}%
1718 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{\IeC
1719      {\cyrrer }\IeC {\cysr }\IeC {\cyrp }\IeC {\cyre }\IeC {\cyrr
1720      }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyrt }\IeC {\cyro }}}}%
1721 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{\IeC
1722      {\cyrf }\IeC {\cyri }\IeC {\cyrn }\IeC {\cysr }\IeC {\cyrk
1723      }\IeC {\cyri }\IeC {\cyrishrt }}}%
1724 \def\btxlanguagenamefranceis{\protect\foreignlanguage{#1}{\IeC
1725      {\cyrf }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyrc
1726      }\IeC {\cyru }\IeC {\cyrz }\IeC {\cysr }\IeC {\cyrk }\IeC
1727      {\cyri }\IeC {\cyrishrt }}}%
1728 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{\IeC
1729      {\cyrf }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyrc
1730      }\IeC {\cyru }\IeC {\cyrz }\IeC {\cysr }\IeC {\cyrk }\IeC
1731      {\cyri }\IeC {\cyrishrt }}}%
1732 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{\IeC
1733      {\cyrf }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyrc
1734      }\IeC {\cyru }\IeC {\cyrz }\IeC {\cysr }\IeC {\cyrk }\IeC
1735      {\cyri }\IeC {\cyrishrt }}}%

```

```

1736 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{\IeC
1737   {\cyrn }\IeC {\cyre }\IeC {\cyrm }\IeC {\cyre }\IeC {\cyrc
1738   }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1739 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{\IeC
1740   {\cyrn }\IeC {\cyre }\IeC {\cyrm }\IeC {\cyre }\IeC {\cyrc
1741   }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1742 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{\IeC {\cyrg
1743   }\IeC {\cyrr }\IeC {\cyre }\IeC {\cyrch }\IeC {\cyre }\IeC
1744   {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1745 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{\IeC
1746   {\cyre }\IeC {\cyrv }\IeC {\cyrr }\IeC {\cyre }\IeC {\cyrishrt
1747   }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1748 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{\IeC
1749   {\cyrv }\IeC {\cyre }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyre
1750   }\IeC {\cyrr }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC
1751   {\cyrishrt }}}%
1752 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{\IeC
1753   {\cyri }\IeC {\cyrs }\IeC {\cyrl }\IeC {\cyra }\IeC {\cyrn
1754   }\IeC {\cyrd }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC
1755   {\cyrishrt }}}%
1756 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{\IeC {\cyri
1757   }\IeC {\cyrr }\IeC {\cyrl }\IeC {\cyra }\IeC {\cyrn }\IeC
1758   {\cyrd }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt
1759   }}}%
1760 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{\IeC
1761   {\cyri }\IeC {\cyrt }\IeC {\cyra }\IeC {\cyrl }\IeC {\cyrsftsn
1762   }\IeC {\cyrya }\IeC {\cyrn }\IeC {\cyrs }\IeC {\cyrk }\IeC
1763   {\cyri }\IeC {\cyrishrt }}}%
1764 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{\IeC {\cyrl
1765   }\IeC {\cyra }\IeC {\cyrt }\IeC {\cyri }\IeC {\cyrn }\IeC
1766   {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1767 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{\IeC
1768   {\cyrn }\IeC {\cyre }\IeC {\cyrm }\IeC {\cyre }\IeC {\cyrc
1769   }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1770 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{\IeC
1771   {\cyrn }\IeC {\cyre }\IeC {\cyrm }\IeC {\cyre }\IeC {\cyrc
1772   }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1773 \def\btxlanguagenameenorsk{\protect\foreignlanguage{#1}{\IeC {\cyrn
1774   }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrv }\IeC {\cyre }\IeC
1775   {\cyrzh }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC
1776   {\cyrishrt }}}%
1777 \def\btxlanguagenameynorsk{\protect\foreignlanguage{#1}{\IeC
1778   {\cyrn }\IeC {\cyro }\IeC {\cyrv }\IeC {\cyro }\IeC {\cyrn
1779   }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrv }\IeC {\cyre }\IeC
1780   {\cyrzh }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC
1781   {\cyrishrt }}}%
1782 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{\IeC
1783   {\cyrp }\IeC {\cyro }\IeC {\cyrl }\IeC {\cyrsftsn }\IeC {\cyrs
1784   }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1785 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{\IeC

```

```

1786      {\cyrp }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrt }\IeC {\cyru
1787      }\IeC {\cyrg }\IeC {\cyra }\IeC {\cyrl }\IeC {\cyrstsn }\IeC
1788      {\cyrst }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1789 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{\IeC
1790      {\cyrp }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrt }\IeC {\cyru
1791      }\IeC {\cyrg }\IeC {\cyra }\IeC {\cyrl }\IeC {\cyrstsn }\IeC
1792      {\cyrst }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1793 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{\IeC
1794      {\cyrr }\IeC {\cyru }\IeC {\cyrst }\IeC {\cyrst }\IeC {\cyrk
1795      }\IeC {\cyri }\IeC {\cyrishrt }}}%
1796 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{\IeC
1797      {\cyrsh }\IeC {\cyro }\IeC {\cyrt }\IeC {\cyrl }\IeC {\cyra
1798      }\IeC {\cyrn }\IeC {\cyrd }\IeC {\cyrst }\IeC {\cyrk }\IeC
1799      {\cyri }\IeC {\cyrishrt }}}%
1800 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{\IeC
1801      {\cyrst }\IeC {\cyre }\IeC {\cyrr }\IeC {\cyrb }\IeC {\cyrst
1802      }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1803 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{\IeC
1804      {\cyri }\IeC {\cyrst }\IeC {\cyrp }\IeC {\cyra }\IeC {\cyrn
1805      }\IeC {\cyrst }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1806 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{\IeC
1807      {\cyrsh }\IeC {\cyrv }\IeC {\cyre }\IeC {\cyrd }\IeC {\cyrst
1808      }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1809 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{\IeC
1810      {\cyrt }\IeC {\cyru }\IeC {\cyrr }\IeC {\cyre }\IeC {\cyrc
1811      }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1812 \def\btxlanguagename ukrainian{\protect\foreignlanguage{#1}{\IeC
1813      {\cyru }\IeC {\cyrk }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyri
1814      }\IeC {\cyrn }\IeC {\cyrst }\IeC {\cyrk }\IeC {\cyri }\IeC
1815      {\cyrishrt }}}%
1816 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{\IeC
1817      {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyrl }\IeC {\cyri
1818      }\IeC {\cyrishrt }\IeC {\cyrst }\IeC {\cyrk }\IeC {\cyri }\IeC
1819      {\cyrishrt }}}%
1820 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{\IeC
1821      {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyrl }\IeC {\cyri
1822      }\IeC {\cyrishrt }\IeC {\cyrst }\IeC {\cyrk }\IeC {\cyri }\IeC
1823      {\cyrishrt }}}%
1824 \fi
1825 }

```

Copy the commands to the other languages.

```

1826 \newcommand\bibsrussianb{\bibsrussian[russianb]}

```

Append the definitions to the language-calling commands.

```

1827 \AtBeginDocument{%
1828   \ifbbbf language
1829   \else
1830     \bbbadddto{russianb}{bibsrussianb}
1831     \bbbadddto{russian}{bibsrussian}

```

```

1832 \fi
Switch off the change of case in titles for all Russian dialects by appending
\btxifchangeoff to \extras<language>.
1833 \bbbbaddto{russian}{btxifchangeoff}
1834 \bbbbaddto{russian}{btxifchangeoff}
1835 }
1836 </russian>

```

9.3.9 Spanish

```
1837 <*spanish>
```

The language definition for Spanish was provided by Víctor Luaña and slightly changed by me according to `spanish.mbs` (custom-bib package).

`\bibsspanish` Bibliographic commands for Spanish.

```

1838 \newcommand\bibsspanish[1][spanish]{%
1839 \def\biblanguagename{#1}%
1840 \def\btxetalshort##1{\protect\foreignlanguage{#1}{y~cols##1}}}%
1841 \def\btxetallong##1{\protect\foreignlanguage{#1}{y~colaboradores}}}%
1842 \def\btxandshort##1{\protect\foreignlanguage{#1}{y}}}%
1843 \def\btxandlong##1{\protect\foreignlanguage{#1}{y}}}%
1844 \def\btxandcomma##1{\protect\foreignlanguage{#1}{y}}}%
1845 \def\btxinlong##1{\protect\foreignlanguage{#1}{en}}}%
1846 \def\btxinshort##1{\protect\foreignlanguage{#1}{en}}}%
1847 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{de}}}%
1848 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{en}}}%
1849 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}}%
1850 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{en}}}%
1851 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1}}}%
1852 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}}%
1853 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{eds##1}}}%
1854 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editores}}}%
1855 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1}}}%
1856 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volumen}}}%
1857 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{%
1858 n\textsuperscript{\underline{o}}}}}%
1859 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{n\`umero}}}%
1860 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{ed##1}}}%
1861 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edici\`on}}}%
1862 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1}}}%
1863 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{cap{\`i}tulo}}}%
1864 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p\`ag##1}}}%
1865 \def\btxpagelong##1{\protect\foreignlanguage{#1}{p\`agina}}}%
1866 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p\`ags##1}}}%
1867 \def\btxpageslong##1{\protect\foreignlanguage{#1}{p\`aginas}}}%
1868 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Tesis de Licenciatura}}}%
1869 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Tesis de Doctorado}}}%
1870 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Informe t\`ecnico##1}}}%
1871 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Informe t\`ecnico}}}%

```

```

1872 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Enero}}%
1873 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Febrero}}%
1874 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Marzo}}%
1875 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{Abril}}%
1876 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mayo}}%
1877 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Junio}}%
1878 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Julio}}%
1879 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Agosto}}%
1880 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Septiembre}}%
1881 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Octubre}}%
1882 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{Noviembre}}%
1883 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Diciembre}}%
1884 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Ene##1{}}}%
1885 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
1886 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
1887 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Abr##1{}}}%
1888 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{May}}%
1889 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun}}%
1890 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul}}%
1891 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Ago##1{}}}%
1892 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
1893 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Oct##1{}}}%
1894 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
1895 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dic##1{}}}%
1896 \def\Btxinlong##1{\protect\foreignlanguage{#1}{En}}%
1897 \def\Btxinshort##1{\protect\foreignlanguage{#1}{En}}%
1898 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
1899 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}%
1900 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
1901 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editores}}%
1902 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
1903 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volumen}}%
1904 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{%
1905 N\textsuperscript{\underline{o}}}}%
1906 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{N\'umero}}%
1907 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
1908 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edici\'on}}%
1909 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
1910 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Cap\'itulo}}%
1911 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P\'ag##1{}}}%
1912 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{P\'agina}}%
1913 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{P\'ags##1{}}}%
1914 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{P\'aginas}}%
1915 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Informe t\'ecnico}}%
1916 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Informe t\'ecnico}}%
1917 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, visitado el ##1}}%
1918 \def\btxfnamespaceshort{\,}%
1919 \def\btxfnamespacelong{ }%
1920 \def\btxnumeralshort##1{\protect\foreignlanguage{#1}{%
1921 \ifnumber{##1}{##1\textsuperscript{\underline{a}}{##1}}}%

```

```

1922 % \def\btxnumeralshort##1{\ifnumber{##1}{\protect\foreignlanguage{#1}{%
1923 %      ##1\ifcase##1 \ieme\or \iere\else \ieme\fi}}{##1}}%
1924 \def\btxnumerallong##1{\btxnumeralshort{#1}{##1}}%
1925 \def\btxkeywordlanguage##1{{\protect\selectlanguage{#1}##1}}%
1926 \ifbbblanguagenames
1927 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{ingl'es}}%
1928 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem'an}}%
1929 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugu'es}}%
1930 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugu'es}}%
1931 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{ingl'es}}%
1932 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{b'ulgaro}}%
1933 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{ingl'es}}%
1934 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franc'es}}%
1935 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalan}}%
1936 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croata}}%
1937 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{checo}}%
1938 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{dan'es}}%
1939 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{holand'es}}%
1940 \def\btxlanguagename english{\protect\foreignlanguage{#1}{ingl'es}}%
1941 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
1942 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finland'es}}%
1943 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{franc'es}}%
1944 \def\btxlanguagename french{\protect\foreignlanguage{#1}{franc'es}}%
1945 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{franc'es}}%
1946 \def\btxlanguagename german{\protect\foreignlanguage{#1}{alem'an}}%
1947 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{alem'an}}%
1948 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{griego}}%
1949 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{hebreo}}%
1950 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{h'ungaro}}%
1951 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{island'es}}%
1952 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irland'es}}%
1953 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italiano}}%
1954 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{lat'i n}}%
1955 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{alem'an}}%
1956 \def\btxlanguagename german{\protect\foreignlanguage{#1}{alem'an}}%
1957 \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{noruego}}%
1958 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{noruego}}%
1959 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polaco}}%
1960 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugu'es}}%
1961 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugu'es}}%
1962 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{ruso}}%
1963 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{escoc'es}}%
1964 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbio}}%
1965 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{espa~nol}}%
1966 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{sueco}}%
1967 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turco}}%
1968 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{ingl'es}}%
1969 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{ingl'es}}%
1970 \fi
1971 }

```


Copy the commands to the other languages.

```
1972 \newcommand\bibsmexican[1][mexican]{%
1973   \bibsspanish[mexican]%
1974   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Tesis de Maestr{'\i}a}}%
1975 }
```

Append the definitions to the language-calling commands.

```
1976 \AtBeginDocument{%
1977   \ifbbbfixlanguage
1978   \else
1979     \bbbbaddto{spanish}{bibsspanish}
1980     \bbbbaddto{mexican}{bibsmexican}
1981   \fi
1982   \bbbbaddto{spanish}{btixifchangeoff}
1983   \bbbbaddto{mexican}{btixifchangeoff}
1984 }
1985 </spanish>
```

9.3.10 Danish

```
1986 <*danish>
```

\bibsdanish Bibliographic commands for Danish.

```
1987 \newcommand\bibsdanish[1][danish]{%
1988   \def\biblanguagename{#1}%
1989   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
1990   \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii{}}}%
1991   \def\btxandshort##1{\protect\foreignlanguage{#1}{og}}%
1992   \def\btxandlong##1{\protect\foreignlanguage{#1}{og}}%
1993   \def\btxandcomma##1{,}%
1994   \def\btxinlong##1{\protect\foreignlanguage{#1}{i}}%
1995   \def\btxinshort##1{\protect\foreignlanguage{#1}{i}}%
1996   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{af}}%
1997   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{i}}%
1998   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{af}}%
1999   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{i}}%
2000   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2001   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redakt\o r}}%
2002   \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2003   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redakt\o rer}}%
2004   \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{bd##1{}}}%
2005   \def\btxivolumelong##1{\protect\foreignlanguage{#1}{bind}}%
2006   \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
2007   \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nummer}}%
2008   \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{udg##1{}}}%
2009   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{udgave}}%
2010   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{kap##1{}}}%
2011   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{kapitel}}%
2012   \def\btxpageshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
2013   \def\btxpagelong##1{\protect\foreignlanguage{#1}{side}}%
```

```

2014 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
2015 \def\btxpageslong##1{\protect\foreignlanguage{#1}{sider}}}%
2016 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Speciale}}}%
2017 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{ph.d.-afhandling}}}%
2018 \def\btxttechrepshort##1{\protect\foreignlanguage{#1}{Tekn.\ rap##1{}}}%
2019 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{Teknisk rapport}}}%
2020 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januar}}}%
2021 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februar}}}%
2022 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Marts}}}%
2023 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}}%
2024 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Maj}}}%
2025 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}}%
2026 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}}%
2027 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{August}}}%
2028 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}}%
2029 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}}%
2030 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}}%
2031 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{December}}}%
2032 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
2033 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
2034 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
2035 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
2036 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Maj}}}%
2037 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
2038 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
2039 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
2040 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
2041 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
2042 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2043 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
2044 \def\Btxinlong##1{\protect\foreignlanguage{#1}{I}}}%
2045 \def\Btxinshort##1{\protect\foreignlanguage{#1}{I}}}%
2046 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2047 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redaktør}}}%
2048 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2049 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redaktører}}}%
2050 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Bd##1{}}}%
2051 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Bind}}}%
2052 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
2053 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nummer}}}%
2054 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Udg##1{}}}%
2055 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Udgave}}}%
2056 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Kap##1{}}}%
2057 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Kapitel}}}%
2058 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
2059 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Side}}}%
2060 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
2061 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Sider}}}%
2062 \def\Btxttechrepshort##1{\protect\foreignlanguage{#1}{Tekn.\ rap##1{}}}%
2063 \def\Btxttechreplong##1{\protect\foreignlanguage{#1}{Teknisk rapport}}}%

```

```

2064 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, bes\o gt den ##1}}%
2065 \def\btxfnamespaceshort{\,}%
2066 \def\btxfnamespacelong{ }%
2067 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
2068 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%
2069 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2070 \ifbbblanguagenames
2071   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engelsk}}%
2072   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{tysk}}%
2073   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugisisk}}%
2074   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugisisk}}%
2075   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engelsk}}%
2076   \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgarsk}}%
2077   \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engelsk}}%
2078   \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{fransk}}%
2079   \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalansk}}%
2080   \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroatisk}}%
2081   \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tjekkisk}}%
2082   \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{dansk}}%
2083   \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{nederlands}}%
2084   \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{engelsk}}%
2085   \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
2086   \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finsk}}%
2087   \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{fransk}}%
2088   \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{fransk}}%
2089   \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{fransk}}%
2090   \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{tysk}}%
2091   \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{tysk}}%
2092   \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{gr\ae sk}}%
2093   \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebraisk}}%
2094   \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{ungarsk}}%
2095   \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islandsk}}%
2096   \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irsk}}%
2097   \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italiensk}}%
2098   \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latinsk}}%
2099   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{tysk}}%
2100   \def\btxlanguagenameengerman{\protect\foreignlanguage{#1}{tysk}}%
2101   \def\btxlanguagenameenorsk{\protect\foreignlanguage{#1}{norsk}}%
2102   \def\btxlanguagenameenynorsk{\protect\foreignlanguage{#1}{nynorsk}}%
2103   \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polsk}}%
2104   \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugisisk}}%
2105   \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugisisk}}%
2106   \def\btxlanguagenamearussian{\protect\foreignlanguage{#1}{russisk}}%
2107   \def\btxlanguagenameescottish{\protect\foreignlanguage{#1}{skotsk}}%
2108   \def\btxlanguagenameeserbian{\protect\foreignlanguage{#1}{serbisk}}%
2109   \def\btxlanguagenameespanish{\protect\foreignlanguage{#1}{spansk}}%
2110   \def\btxlanguagenameeswedish{\protect\foreignlanguage{#1}{svensk}}%
2111   \def\btxlanguagenameeturkish{\protect\foreignlanguage{#1}{tyrkisk}}%
2112   \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{engelsk}}%
2113   \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{engelsk}}%

```

```

2114 \fi
2115 }

```

Append the definitions to the language-calling commands.

```

2116 \AtBeginDocument{%
2117   \ifbbbfixlanguage
2118   \else
2119     \bbbbaddto{danish}{bibsdanish}
2120   \fi
2121   \bbbbaddto{danish}{btixifchangepageoff}
2122 }
2123 </danish>

```

9.3.11 Finnish

```

2124 <*finnish>

```

\bibsfinnish Bibliographic commands for Finnish.

```

2125 \newcommand\bibsfinnish[1][finnish]{%
2126   \def\biblanguagename{#1}%
2127   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1}}}%
2128   \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii}}}%
2129   \def\btxandshort##1{\protect\foreignlanguage{#1}{ja}}}%
2130   \def\btxandlong##1{\protect\foreignlanguage{#1}{ja}}}%
2131   \def\btxandcomma##1{%
2132     \def\btxinlong##1{\protect\foreignlanguage{#1}{teoksessa}}%
2133     \def\btxinshort##1{\protect\foreignlanguage{#1}{teoksessa}}%
2134     \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{sarjassa}}%
2135     \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{sarjassa}}%
2136     \def\btxofserieslong##1{\protect\foreignlanguage{#1}{sarjassa}}%
2137     \def\btxinserieslong##1{\protect\foreignlanguage{#1}{sarjassa}}%
2138     \def\btxeditorshort##1{\protect\foreignlanguage{#1}{toim##1}}}%
2139     \def\btxeditorlong##1{\protect\foreignlanguage{#1}{toimittaja}}%
2140     \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{toim##1}}}%
2141     \def\btxeditorslong##1{\protect\foreignlanguage{#1}{toimittajat}}}%
2142     \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{nide}}}%
2143     \def\btxivolumelong##1{\protect\foreignlanguage{#1}{nide}}}%
2144     \def\btxnumbershort##1{\protect\foreignlanguage{#1}{nro##1}}}%
2145     \def\btxnumberlong##1{\protect\foreignlanguage{#1}{numero}}}%
2146     \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{p##1}}}%
2147     \def\btxeditionlong##1{\protect\foreignlanguage{#1}{painos}}}%
2148     \def\btxchaptershort##1{\protect\foreignlanguage{#1}{l##1}}}%
2149     \def\btxchapterlong##1{\protect\foreignlanguage{#1}{luku}}}%
2150     \def\btxpageshort##1{\protect\foreignlanguage{#1}{s##1}}}%
2151     \def\btxpagelong##1{\protect\foreignlanguage{#1}{sivu}}}%
2152     \def\btxpagesshort##1{\protect\foreignlanguage{#1}{ss##1}}}%
2153     \def\btxpageslong##1{\protect\foreignlanguage{#1}{sivut}}}%
2154     \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Pro Gradu -ty"o}}}%
2155     \def\btxphdthesis##1{\protect\foreignlanguage{#1}{v"ait"oskirja}}}%
2156     \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{tekn.\ rap##1}}}%

```

```

2157 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{tekninen raportti}}%
2158 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{tammikuu}}%
2159 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{helmikuu}}%
2160 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{maaliskuu}}%
2161 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{huhtikuu}}%
2162 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{toukokuu}}%
2163 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{kes\ "akuu}}%
2164 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{hein\ "akuu}}%
2165 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{elokuu}}%
2166 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{syyskuu}}%
2167 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{lokakuu}}%
2168 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{marraskuu}}%
2169 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{joulukuu}}%
2170 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{tam##1{}}}%
2171 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{hel##1{}}}%
2172 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{maa##1{}}}%
2173 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{huh##1{}}}%
2174 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{tou##1{}}}%
2175 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{kes##1{}}}%
2176 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{hei##1{}}}%
2177 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{elo##1{}}}%
2178 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{syy##1{}}}%
2179 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{lok##1{}}}%
2180 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{mar##1{}}}%
2181 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{jou##1{}}}%
2182 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Teoksessa}}%
2183 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Teoksessa}}%
2184 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Toim##1{}}}%
2185 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Toimittaja}}%
2186 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Toim##1{}}}%
2187 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Toimittajat}}%
2188 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Nide##1{}}}%
2189 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Nide}}%
2190 \def\Btxnumbersshort##1{\protect\foreignlanguage{#1}{Nro##1{}}}%
2191 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Numero}}%
2192 \def\Btxeditionsshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
2193 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Painos}}%
2194 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{L##1{}}}%
2195 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Luku}}%
2196 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
2197 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Sivu}}%
2198 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Ss##1{}}}%
2199 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Sivut}}%
2200 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Tekn.\ rap##1{}}}%
2201 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Tekninen raportti}}%
2202 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, vierailtu ##1}}%
2203 \def\btxfnamespaceshort{\,}%
2204 \def\btxfnamespacelong{ }%
2205 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
2206 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%

```

```

2207 \def\btxkeywordlanguage##1{\protect\selectlanguage{##1}}%
2208 \ifbbblanguagenames
2209 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{englanti}}%
2210 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{saksa}}%
2211 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugali}}%
2212 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugali}}%
2213 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{englanti}}%
2214 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgaria}}%
2215 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{englanti}}%
2216 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{ranska}}%
2217 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalaani}}%
2218 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroaati}}%
2219 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tsekki}}%
2220 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{tanska}}%
2221 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{hollanti}}%
2222 \def\btxlanguagename english{\protect\foreignlanguage{#1}{englanti}}%
2223 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
2224 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{suomi}}%
2225 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{ranska}}%
2226 \def\btxlanguagename french{\protect\foreignlanguage{#1}{ranska}}%
2227 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{ranska}}%
2228 \def\btxlanguagename german{\protect\foreignlanguage{#1}{saksa}}%
2229 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{saksa}}%
2230 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{kreikka}}%
2231 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{heprea}}%
2232 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{unkari}}%
2233 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{islanti}}%
2234 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{iiri}}%
2235 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italia}}%
2236 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{latina}}%
2237 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{saksa}}%
2238 \def\btxlanguagename german{\protect\foreignlanguage{#1}{saksa}}%
2239 \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{norja}}%
2240 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{uusnorja}}%
2241 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{puola}}%
2242 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugali}}%
2243 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugali}}%
2244 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{ven\`j\`a}}%
2245 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{skotti}}%
2246 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbi}}%
2247 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{espanja}}%
2248 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{ruotsi}}%
2249 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turkki}}%
2250 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{englanti}}%
2251 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{englanti}}%
2252 \fi
2253 }

```

Append the definitions to the language-calling commands.

```
2254 \AtBeginDocument{%
```

```

2255 \ifbbbfixlanguage
2256 \else
2257 \bbbaddto{finnish}{bibsfinnish}
2258 \fi

Switch off the change of case in titles by appending \btixifchangeoff to
\extras{language}.

2259 \bbbaddto{finnish}{btixifchangeoff}
2260 }
2261 </finnish>

```

9.3.12 Esperanto

```

2262 <*esperanto>

\bibsesperanto Bibliographic commands for Esperanto.

2263 \newcommand\bibsesperanto[1][esperanto]{%
2264 \def\biblanguagename{#1}%
2265 \def\btxetalshort##1{\protect\foreignlanguage{#1}{k~al##1{}}}%
2266 \def\btxetallong##1{\protect\foreignlanguage{#1}{kaj~aliaj}}%
2267 \def\btxandshort##1{\protect\foreignlanguage{#1}{k}}%
2268 \def\btxandlong##1{\protect\foreignlanguage{#1}{kaj}}%
2269 \def\btxandcomma##1{,%}
2270 \def\btxinlong##1{\protect\foreignlanguage{#1}{en}}%
2271 \def\btxinshort##1{\protect\foreignlanguage{#1}{en}}%
2272 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{de}}%
2273 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{en}}%
2274 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}%
2275 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{en}}%
2276 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2277 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redaktoj}}%
2278 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red-oj##1{}}}%
2279 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redaktoj}}%
2280 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
2281 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volumo}}%
2282 \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{no##1{}}}%
2283 \def\btxnnumberlong##1{\protect\foreignlanguage{#1}{nombro}}%
2284 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2285 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{redakcio}}%
2286 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{~c##1{}}}%
2287 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{~capitro}}%
2288 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
2289 \def\btxpagelong##1{\protect\foreignlanguage{#1}{pa~go}}%
2290 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
2291 \def\btxpageslong##1{\protect\foreignlanguage{#1}{pa~goj}}%
2292 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{magistra disertacio}}%
2293 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{doktora disertacio}}%
2294 \def\btxttechrepshort##1{\protect\foreignlanguage{#1}{Tekn.~rap##1{}}}%
2295 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{Teknika raporto}}%
2296 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januaro}}%

```

```

2297 \def\btixonfeblong##1{\protect\foreignlanguage{#1}{Februaro}}%
2298 \def\btixonmarlong##1{\protect\foreignlanguage{#1}{Marco}}%
2299 \def\btixonaprlong##1{\protect\foreignlanguage{#1}{Aprilo}}%
2300 \def\btixonmaylong##1{\protect\foreignlanguage{#1}{Majo}}%
2301 \def\btixonjunlong##1{\protect\foreignlanguage{#1}{Junio}}%
2302 \def\btixonjullong##1{\protect\foreignlanguage{#1}{Julio}}%
2303 \def\btixonauglong##1{\protect\foreignlanguage{#1}{A\u{u}gusto}}%
2304 \def\btixonseplong##1{\protect\foreignlanguage{#1}{Septembro}}%
2305 \def\btixonoclong##1{\protect\foreignlanguage{#1}{Oktobro}}%
2306 \def\btixononovlong##1{\protect\foreignlanguage{#1}{Novembro}}%
2307 \def\btixondeclong##1{\protect\foreignlanguage{#1}{Decembro}}%
2308 \def\btixonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
2309 \def\btixonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
2310 \def\btixonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
2311 \def\btixonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
2312 \def\btixonmayshort##1{\protect\foreignlanguage{#1}{Maj##1{}}}%
2313 \def\btixonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
2314 \def\btixonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
2315 \def\btixonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
2316 \def\btixonsepsshort##1{\protect\foreignlanguage{#1}{Sept##1{}}}%
2317 \def\btixonocshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
2318 \def\btixononovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2319 \def\btixondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
2320 \def\Btxinlong##1{\protect\foreignlanguage{#1}{En}}%
2321 \def\Btxinshort##1{\protect\foreignlanguage{#1}{En}}%
2322 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2323 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redaktoro}}%
2324 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2325 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redaktoroj}}%
2326 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
2327 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volumo}}%
2328 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{No##1{}}}%
2329 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nombro}}%
2330 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2331 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Redakcio}}%
2332 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{^C##1{}}}%
2333 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{^C Capito}}%
2334 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
2335 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Pa^go}}%
2336 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
2337 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pa^goj}}%
2338 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tekn.\ Rap##1{}}}%
2339 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Teknika Raporto}}%
2340 % \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, ?? ##1{}}}%
2341 \def\btxurldatecomment##1{\PackageError{babelbib}{Comment for
2342     urldate in Esperanto undefined. Please send the translation for
2343     'visited on' to harald.harders@tu-bs.de}{ } [##1]}%
2344 \def\btxfnamespaceshort{\,%
2345 \def\btxfnamespacelong{ }%
2346 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%

```



```

2347 \def\btxnnumerallong##1{\btxnnumeralfallback{#1}{##1}}%
2348 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2349 \ifbbblanguagenames
2350 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{angla}}%
2351 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{germana}}%
2352 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugala}}%
2353 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugala}}%
2354 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{angla}}%
2355 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgara}}%
2356 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{angla}}%
2357 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franca}}%
2358 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalana}}%
2359 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroata}}%
2360 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{\ce{`ha}}}%
2361 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{dana}}%
2362 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{nederlanda}}%
2363 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{angla}}%
2364 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
2365 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finna}}%
2366 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{franca}}%
2367 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{franca}}%
2368 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{franca}}%
2369 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{germana}}%
2370 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{germana}}%
2371 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{greka}}%
2372 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebra}}%
2373 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{hungara}}%
2374 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islanda}}%
2375 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irlanda}}%
2376 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{itala}}%
2377 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latino}}%
2378 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{germana}}%
2379 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{germana}}%
2380 \def\btxlanguagenameenorsk{\protect\foreignlanguage{#1}{norvega}}%
2381 \def\btxlanguagenameynorsk{\protect\foreignlanguage{#1}{nov-norvega}}%
2382 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{pola}}%
2383 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugala}}%
2384 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugala}}%
2385 \def\btxlanguagenamerussian{\protect\foreignlanguage{#1}{rusa}}%
2386 \def\btxlanguagenamescottish{\protect\foreignlanguage{#1}{skota}}%
2387 \def\btxlanguagenameserbian{\protect\foreignlanguage{#1}{serba}}%
2388 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{hispana}}%
2389 \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{sveda}}%
2390 \def\btxlanguagenameturkish{\protect\foreignlanguage{#1}{turka}}%
2391 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{angla}}%
2392 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{angla}}%
2393 \fi
2394 }

```

Append the definitions to the language-calling commands.

```

2395 \AtBeginDocument{%
2396   \ifbbbfixlanguage
2397   \else
2398     \bbbaddto{esperanto}{bibsesperanto}
2399   \fi

```

Switch off the change of case in titles by appending `\btxifchangeoff` to `\extras{language}`.

```

2400   \bbbaddto{esperanto}{btxifchangeoff}
2401 }
2402 \</esperanto>

```

9.3.13 Portuguese

```

2403 <*portuguese>

```

`\bibsportuguese` Bibliographic commands for Portuguese.

```

2404 \newcommand\bibsportuguese[1][portuguese]{%
2405   \def\biblanguagename{#1}%
2406   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1}}}%
2407   \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii}}}%
2408   \def\btxandshort##1{\protect\foreignlanguage{#1}{e}}}%
2409   \def\btxandlong##1{\protect\foreignlanguage{#1}{e}}}%
2410   \def\btxandcomma##1{}%
2411   \def\btxinlong##1{\protect\foreignlanguage{#1}{in}}}%
2412   \def\btxinshort##1{\protect\foreignlanguage{#1}{in}}}%
2413   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{de}}}%
2414   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{in}}}%
2415   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}}%
2416   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{in}}}%
2417   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1}}}%
2418   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}}%
2419   \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{eds##1}}}%
2420   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editores}}}%
2421   \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1}}}%
2422   \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}}%
2423   \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{%
2424     n\textsuperscript{\underline{o}}}}}%
2425   \def\btxnumberlong##1{\protect\foreignlanguage{#1}{n'umero}}}%
2426   \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{ed##1}}}%
2427   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edi~c~ao}}}%
2428   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1}}}%
2429   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{cap'itulo}}}%
2430   \def\btxpageshort##1{\protect\foreignlanguage{#1}{p'ag##1}}}%
2431   \def\btxpagelong##1{\protect\foreignlanguage{#1}{p'agina}}}%
2432   \def\btxpagesshort##1{\protect\foreignlanguage{#1}{p'ags##1}}}%
2433   \def\btxpageslong##1{\protect\foreignlanguage{#1}{p'aginas}}}%
2434   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Tese de Mestrado}}}%
2435   \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Tese de Doutoramento}}}%
2436   \def\btxttechrepshort##1{\protect\foreignlanguage{#1}{Rel.\ T'ec##1}}}%

```

```

2437 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{Relat'orio T'ecnico}}%
2438 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Janeiro}}%
2439 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Fevereiro}}%
2440 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Mar\c{co}}}%
2441 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{Abril}}%
2442 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Maio}}%
2443 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Junho}}%
2444 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Julho}}%
2445 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Ago}}%
2446 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Setembro}}%
2447 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Outubro}}%
2448 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{Novembro}}%
2449 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Dezembro}}%
2450 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
2451 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Fev##1{}}}%
2452 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
2453 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
2454 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Maio}}%
2455 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
2456 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
2457 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Ago##1{}}}%
2458 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Set##1{}}}%
2459 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Out##1{}}}%
2460 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2461 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dez##1{}}}%
2462 \def\Btxinlong##1{\protect\foreignlanguage{#1}{In}}%
2463 \def\Btxinshort##1{\protect\foreignlanguage{#1}{In}}%
2464 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
2465 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}%
2466 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Eds##1{}}}%
2467 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editores}}%
2468 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
2469 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
2470 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{%
2471 N\textsuperscript{\underline{o}}}}%
2472 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{N'umero}}%
2473 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
2474 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edi\c{c}\~ao}}%
2475 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
2476 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Cap'\i{tulo}}}%
2477 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P'ag##1{}}}%
2478 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{P'agina}}%
2479 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{P'ags##1{}}}%
2480 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{P'aginas}}%
2481 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Rel.\ T'ec##1{}}}%
2482 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Relat'orio T'ecnico}}%
2483 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, acedido em ##1}}%
2484 \def\btxfnamespaceshort{\,\,}%
2485 \def\btxfnamespacelong{ }%
2486 \def\btxnumeralshort##1{\protect\foreignlanguage{#1}{%

```

```

2487 \ifnumber{##1}{##1\textsuperscript{\underline a}}{##1}}%
2488 \def\btxnnumerallong##1{\btxnnumeralshort{#1}{##1}}%
2489 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2490 \ifbbblanguagenames
2491 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{ingl\`es}}%
2492 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem\`ao}}%
2493 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugu\`es}}%
2494 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugu\`es}}%
2495 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{ingl\`es}}%
2496 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{b\`ulgaro}}%
2497 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{ingl\`es}}%
2498 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franc\`es}}%
2499 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catal\`ao}}%
2500 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croata}}%
2501 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{checo}}%
2502 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{dinamarqu\`es}}%
2503 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{holand\`es}}%
2504 \def\btxlanguagename english{\protect\foreignlanguage{#1}{ingl\`es}}%
2505 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
2506 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finland\`es}}%
2507 \def\btxlanguagename franceis{\protect\foreignlanguage{#1}{franc\`es}}%
2508 \def\btxlanguagename french{\protect\foreignlanguage{#1}{franc\`es}}%
2509 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{franc\`es}}%
2510 \def\btxlanguagename german{\protect\foreignlanguage{#1}{alem\`ao}}%
2511 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{alem\`ao}}%
2512 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{grego}}%
2513 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{hebreu}}%
2514 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{h\`ungaro}}%
2515 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{island\`es}}%
2516 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irland\`es}}%
2517 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italiano}}%
2518 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{latim}}%
2519 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{alem\`ao}}%
2520 \def\btxlanguagename german{\protect\foreignlanguage{#1}{alem\`ao}}%
2521 \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{noruegu\`es}}%
2522 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{neo-noruegu\`es}}%
2523 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polaco}}%
2524 \def\btxlanguagename portugese{\protect\foreignlanguage{#1}{portugu\`es}}%
2525 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugu\`es}}%
2526 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{russio}}%
2527 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{escoc\`es}}%
2528 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{s\`ervio}}%
2529 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{espanhol}}%
2530 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{sueco}}%
2531 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turco}}%
2532 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{ingl\`es}}%
2533 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{ingl\`es}}%
2534 \fi
2535 }

```

Copy the commands to the other languages.

```

2536 \newcommand\bibsportuges[1][portuges]{\bibsportuguese[#1]}
2537 \newcommand\bibsbrazil[1][brazil]{\bibsbrasilian[#1]}
2538 \newcommand\bibsbrazilian[1][brazilian]{%
2539   \bibsportuguese[#1]%
2540   \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{janeiro}}%
2541   \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{fevereiro}}%
2542   \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{mar\c co}}%
2543   \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{abril}}%
2544   \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{maio}}%
2545   \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{junho}}%
2546   \def\btxmonjullong##1{\protect\foreignlanguage{#1}{julho}}%
2547   \def\btxmonauglong##1{\protect\foreignlanguage{#1}{agosto}}%
2548   \def\btxmonseplong##1{\protect\foreignlanguage{#1}{setembro}}%
2549   \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{outubro}}%
2550   \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{novembro}}%
2551   \def\btxmondeclong##1{\protect\foreignlanguage{#1}{dezembro}}%
2552   \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{jan##1{}}}%
2553   \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{fev##1{}}}%
2554   \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mar##1{}}}%
2555   \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{apr##1{}}}%
2556   \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{maio}}%
2557   \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{jun##1{}}}%
2558   \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{jul##1{}}}%
2559   \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{ago##1{}}}%
2560   \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{set##1{}}}%
2561   \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{out##1{}}}%
2562   \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
2563   \def\btxmondecshort##1{\protect\foreignlanguage{#1}{dez##1{}}}%
2564 }

```

Append the definitions to the language-calling commands.

```

2565 \AtBeginDocument{%
2566   \ifbbbfixlanguage
2567   \else
2568     \bbbaddto{brazil}{bibsbrasil}
2569     \bbbaddto{brasilian}{bibsbrasilian}
2570     \bbbaddto{portuges}{bibsportuges}
2571     \bbbaddto{portuguese}{bibsportuguese}
2572   \fi

```

Switch off the change of case in titles for all Portuguese dialects by appending `\btxifchangepcaseoff` to `\extras{language}`.

```

2573   \bbbaddto{brazil}{btxifchangepcaseoff}
2574   \bbbaddto{brasilian}{btxifchangepcaseoff}
2575   \bbbaddto{portuges}{btxifchangepcaseoff}
2576   \bbbaddto{portuguese}{btxifchangepcaseoff}
2577 }
2578 \</portuguese>

```

9.3.14 Dutch

2579 `*dutch)`

`\bibs dutch` Bibliographic commands for Dutch.

```

2580 \newcommand\bibsdutch[1][dutch]{%
2581   \def\biblanguagename{#1}%
2582   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
2583   \def\btxetallong##1{\protect\foreignlanguage{#1}{en anderen}}%
2584   \def\btxandshort##1{\protect\foreignlanguage{#1}{en}}%
2585   \def\btxandlong##1{\protect\foreignlanguage{#1}{en}}%
2586   \def\btxandcomma##1{,}%
2587   \def\btxinlong##1{\protect\foreignlanguage{#1}{in}}%
2588   \def\btxinshort##1{\protect\foreignlanguage{#1}{in}}%
2589   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{van}}%
2590   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{in}}%
2591   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{van}}%
2592   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{in}}%
2593   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2594   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redactie}}%
2595   \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2596   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redactie}}%
2597   \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
2598   \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}%
2599   \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
2600   \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nummer}}%
2601   \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{druk}}%
2602   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{uitgave}}%
2603   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{hfdst##1{}}}%
2604   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{hoofdstuk}}%
2605   \def\btxpageshort##1{\protect\foreignlanguage{#1}{pag##1{}}}%
2606   \def\btxpagelong##1{\protect\foreignlanguage{#1}{pagina}}%
2607   \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pag##1{}}}%
2608   \def\btxpageslong##1{\protect\foreignlanguage{#1}{pagina's}}%
2609   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{scriptie}}%
2610   \def\btxphdthesis##1{\protect\foreignlanguage{#1}{proefschrift}}%
2611   \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Tech.\ Rapp##1{}}}%
2612   \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Technisch Rapport}}%
2613   \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januari}}%
2614   \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februari}}%
2615   \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Maart}}%
2616   \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
2617   \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mei}}%
2618   \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
2619   \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
2620   \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Augustus}}%
2621   \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
2622   \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}%
2623   \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
2624   \def\btxmondeclong##1{\protect\foreignlanguage{#1}{December}}%

```

```

2625 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
2626 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
2627 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mrt}}}%
2628 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
2629 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Mei}}}%
2630 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
2631 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
2632 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
2633 \def\btxmonsepsort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
2634 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
2635 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2636 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
2637 \def\Btxinlong##1{\protect\foreignlanguage{#1}{In}}}%
2638 \def\Btxinshort##1{\protect\foreignlanguage{#1}{In}}}%
2639 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2640 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redactie}}}%
2641 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2642 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redactie}}}%
2643 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
2644 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}}%
2645 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
2646 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nummer}}}%
2647 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Druk}}}%
2648 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Uitgave}}}%
2649 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Hfdst##1{}}}%
2650 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Hoofdstuk}}}%
2651 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Pag##1{}}}%
2652 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Pagina}}}%
2653 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Pag##1{}}}%
2654 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pagina's}}}%
2655 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Tech.\ Rapp##1{}}}%
2656 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Technisch Rapport}}}%
2657 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, bezocht op ##1}}}%
2658 \def\btxfnamespaceshort{\,}%
2659 \def\btxfnamespacelong{ }%
2660 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}}%
2661 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}}%
2662 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}}%
2663 \ifbbblanguagenames
2664 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engels}}}%
2665 % \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{german}}}%
2666 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugees}}}%
2667 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugees}}}%
2668 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engels}}}%
2669 % \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgarian}}}%
2670 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engels}}}%
2671 % \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{french}}}%
2672 % \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalan}}}%
2673 % \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croatian}}}%
2674 % \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{czech}}}%

```

```

2675 % \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{d\`anisch}}%
2676 % \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{dutch}}%
2677 \def\btxlanguagenamenglish{\protect\foreignlanguage{#1}{engels}}%
2678 % \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
2679 % \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finnish}}%
2680 % \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{french}}%
2681 % \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{french}}%
2682 % \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{french}}%
2683 % \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{german}}%
2684 % \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{german}}%
2685 % \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{greek}}%
2686 % \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebrew}}%
2687 % \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{hungarian}}%
2688 % \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{icelandic}}%
2689 % \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irish}}%
2690 % \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italian}}%
2691 % \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latin}}%
2692 % \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{german}}%
2693 % \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{german}}%
2694 % \def\btxlanguagenamenorsk{\protect\foreignlanguage{#1}{norwegian}}%
2695 % \def\btxlanguagenamenynorsk{\protect\foreignlanguage{#1}{new-norwegian}}%
2696 % \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polish}}%
2697 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugees}}%
2698 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugees}}%
2699 % \def\btxlanguagenamerussian{\protect\foreignlanguage{#1}{russian}}%
2700 % \def\btxlanguagenamescottish{\protect\foreignlanguage{#1}{scottish}}%
2701 % \def\btxlanguagenameserbian{\protect\foreignlanguage{#1}{serbian}}%
2702 % \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{spanish}}%
2703 % \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{swedish}}%
2704 % \def\btxlanguagenameturkish{\protect\foreignlanguage{#1}{turkish}}%
2705 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{engels}}%
2706 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{engels}}%
2707 \fi
2708 }

```

Append the definitions to the language-calling commands.

```

2709 \AtBeginDocument{%
2710   \ifbbbfixlanguage
2711   \else
2712     \bbbaddto{dutch}{bibs dutch}
2713   \fi

```

Switch on the change of case in titles for all Dutch dialects by appending `\btxifchangeoff` to `\extras{language}`.

```

2714   \bbbaddto{dutch}{btxifchangeoff}
2715 }
2716 \end{dutch}

```

9.3.15 Swedish

2717 (*swedish)

The language definition for Swedish was provided by Hans Fredrik Nordhaug.

\bibsswedish Bibliographic commands for Swedish.

```
2718 \newcommand\bibsswedish[1][swedish]{%
2719   \def\biblanguagename{#1}%
2720   \def\btbetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
2721   \def\btbetalldlong##1{\protect\foreignlanguage{#1}{et~alii{}}}%
2722   \def\btxandshort##1{\protect\foreignlanguage{#1}{och}}%
2723   \def\btxandlong##1{\protect\foreignlanguage{#1}{och}}%
2724   \def\btxandcomma##1{,}%
2725   \def\btxinlong##1{\protect\foreignlanguage{#1}{i}}%
2726   \def\btxinshort##1{\protect\foreignlanguage{#1}{i}}%
2727   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{av}}%
2728   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{i}}%
2729   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{av}}%
2730   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{i}}%
2731   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2732   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redakt~"or}}%
2733   \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2734   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redakt~"orer}}%
2735   \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
2736   \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volym}}%
2737   \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
2738   \def\btxnnumberlong##1{\protect\foreignlanguage{#1}{nummer}}%
2739   \def\btxeditionshort##1{\protect\foreignlanguage{#1}{utg}}%
2740   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{utg~aa~va}}%
2741   \def\bttxchaptershort##1{\protect\foreignlanguage{#1}{kap##1{}}}%
2742   \def\bttxchapterlong##1{\protect\foreignlanguage{#1}{kapitel}}%
2743   \def\bttxpageshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
2744   \def\bttxpagelong##1{\protect\foreignlanguage{#1}{sida}}%
2745   \def\bttxpagesesshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
2746   \def\bttxpageselong##1{\protect\foreignlanguage{#1}{sidor}}%
2747   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{scriptie}}%
2748   \def\btxphdthesis##1{\protect\foreignlanguage{#1}{proefschrift}}%
2749   \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Tech.~Rapp##1{}}}%
2750   \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Technisch~Rapport}}%
2751   \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januari}}%
2752   \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februari}}%
2753   \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Mars}}%
2754   \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
2755   \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Maj}}%
2756   \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
2757   \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
2758   \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Augusti}}%
2759   \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
2760   \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}%
2761   \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
2762   \def\btxmondeclong##1{\protect\foreignlanguage{#1}{December}}%
2763   \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%

```

```

2764 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
2765 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar}}}%
2766 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
2767 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Maj}}}%
2768 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
2769 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
2770 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
2771 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
2772 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
2773 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2774 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
2775 \def\Btxinlong##1{\protect\foreignlanguage{#1}{I}}}%
2776 \def\Btxinshort##1{\protect\foreignlanguage{#1}{I}}}%
2777 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2778 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redactie}}}%
2779 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2780 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redactie}}}%
2781 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
2782 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}}%
2783 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
2784 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nummer}}}%
2785 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Druk}}}%
2786 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Utgave}}}%
2787 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Hfdst##1{}}}%
2788 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Hoofdstuk}}}%
2789 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Pag##1{}}}%
2790 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Pagina}}}%
2791 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Pags##1{}}}%
2792 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pagina's}}}%
2793 \def\Btxtechrepsshort##1{\protect\foreignlanguage{#1}{Tech.\ Rapp##1{}}}%
2794 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Technisch Rapport}}}%
2795 % \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, ?? ##1{}}}%
2796 \def\btxurldatecomment##1{\PackageError{babelbib}{Comment for
2797     urldate in Swedish undefined. Please send the translation for
2798     'visited on' to harald.harders@tu-bs.de}{ }{ ##1}}}%
2799 \def\btxfnamespaceshort{\,}%
2800 \def\btxfnamespacelong{ }%
2801 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}}%
2802 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}}%
2803 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2804 \ifbbblanguagenames
2805     \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engelska}}}%
2806     \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{tyska}}}%
2807     \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugisiska}}}%
2808     \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugisiska}}}%
2809     \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engelska}}}%
2810     \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgariska}}}%
2811     \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engelska}}}%
2812     \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franska}}}%
2813     \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalanska}}}%

```

```

2814 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroatiska}}%
2815 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tjeckiska}}%
2816 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{danska}}%
2817 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{nederl\ "andska}}%
2818 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{engelska}}%
2819 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
2820 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finska}}%
2821 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{franska}}%
2822 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{franska}}%
2823 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{franska}}%
2824 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{tyska}}%
2825 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{tyska}}%
2826 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{grekiska}}%
2827 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebreiska}}%
2828 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{ungarska}}%
2829 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{isl\ "andska}}%
2830 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{iriska}}%
2831 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italienska}}%
2832 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latin}}%
2833 \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{tyska}}%
2834 \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{tyska}}%
2835 \def\btxlanguagenamenorsk{\protect\foreignlanguage{#1}{norska}}%
2836 \def\btxlanguagenamenynorsk{\protect\foreignlanguage{#1}{nynorska}}%
2837 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polska}}%
2838 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugisiska}}%
2839 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugisiska}}%
2840 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{ryska}}%
2841 \def\btxlanguagenamescottish{\protect\foreignlanguage{#1}{skotsks}}%
2842 \def\btxlanguagenameserbian{\protect\foreignlanguage{#1}{serbiska}}%
2843 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{spanska}}%
2844 \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{svenska}}%
2845 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turkiska}}%
2846 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{engelska}}%
2847 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{engelska}}%
2848 \fi
2849 }

```

Append the definitions to the language-calling commands.

```

2850 \AtBeginDocument{%
2851   \ifbbbfixlanguage
2852   \else
2853     \bbbaddto{swedish}{bibsswedish}
2854   \fi

Switch on the change of case in titles for all Swedish dialects by appending
\btxifchange case off to \extras<language>.

2855   \bbbaddto{swedish}{btxifchange case off}
2856 }
2857 </swedish>

```

9.3.16 Afrikaans

2858 (*afrikaans)

The language definition for Afrikaans was provided by Danie Els.

\bibsafrikaans Bibliographic commands for Afrikaans.

```
2859 \newcommand\bibsafrikaans[1][afrikaans]{%
2860   \def\biblanguagename{#1}%
2861   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
2862   \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii}}%
2863   \def\btxandshort##1{\protect\foreignlanguage{#1}{en}}%
2864   \def\btxandlong##1{\protect\foreignlanguage{#1}{en}}%
2865   \def\btxandcomma##1{\protect\foreignlanguage{#1}{,}}%
2866   \def\btxinlong##1{\protect\foreignlanguage{#1}{in}}%
2867   \def\btxinshort##1{\protect\foreignlanguage{#1}{in}}%
2868   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{van}}%
2869   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{in}}%
2870   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{van}}%
2871   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{in}}%
2872   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2873   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redakteur}}%
2874   \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{reds##1{}}}%
2875   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redakteurs}}%
2876   \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
2877   \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}%
2878   \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{no##1{}}}%
2879   \def\btxnnumberlong##1{\protect\foreignlanguage{#1}{nommer}}%
2880   \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{uitg##1{}}}%
2881   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{uitgawe}}%
2882   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{hfst##1{}}}%
2883   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{hoofstuk}}%
2884   \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
2885   \def\btxpagelong##1{\protect\foreignlanguage{#1}{bladsy}}%
2886   \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
2887   \def\btxpageslong##1{\protect\foreignlanguage{#1}{bladsye}}%
2888   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Meesters tesis}}%
2889   \def\btxphdthesis##1{\protect\foreignlanguage{#1}{PhD verhandeling}}%
2890   \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Tegn.\ versl##1{}}}%
2891   \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Tegniese verslag}}%
2892   \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januarie}}%
2893   \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februarie}}%
2894   \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Maart}}%
2895   \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
2896   \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mei}}%
2897   \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Junie}}%
2898   \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Julie}}%
2899   \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Augustus}}%
2900   \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
2901   \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}%
2902   \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
```

```

2903 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Desember}}%
2904 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
2905 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
2906 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mrt##1{}}}%
2907 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
2908 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Mei##1{}}}%
2909 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
2910 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
2911 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
2912 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
2913 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
2914 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2915 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Des##1{}}}%
2916 \def\Btxinlong##1{\protect\foreignlanguage{#1}{In}}%
2917 \def\Btxinshort##1{\protect\foreignlanguage{#1}{In}}%
2918 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2919 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redakteur}}%
2920 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Reds##1{}}}%
2921 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redakteurs}}%
2922 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
2923 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
2924 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{No##1{}}}%
2925 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nommer}}%
2926 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Uitg##1{}}}%
2927 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Uitgawe}}%
2928 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Hfst##1{}}}%
2929 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Hoofstuk}}%
2930 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
2931 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Bladsy}}%
2932 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
2933 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Bladsye}}%
2934 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Tegn. \ Verslag}}%
2935 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Tegniese Verslag}}%
2936 % \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, ?? ##1{}}}%
2937 \def\btxurldatecomment##1{\PackageError{babelbib}{Comment for
2938     urldate in Afrikaans undefined. Please send the translation for
2939     'visited on' to harald.harders@tu-bs.de}{ } [##1]}%
2940 \def\btxfnamespaceshort{\,%
2941 \def\btxfnamespacelong{ }%
2942 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
2943 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%
2944 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2945 \ifbbblanguagenames
2946 \def\btxlanguagenametafrikaans{\protect\foreignlanguage{#1}{afrikaans}}%
2947 \def\btxlanguagenametaamerican{\protect\foreignlanguage{#1}{engels}}%
2948 \def\btxlanguagenametaaustrian{\protect\foreignlanguage{#1}{duits}}%
2949 \def\btxlanguagenametaaustralian{\protect\foreignlanguage{#1}{portugees}}%
2950 \def\btxlanguagenametaaustralian{\protect\foreignlanguage{#1}{portugees}}%
2951 \def\btxlanguagenametaaustralian{\protect\foreignlanguage{#1}{engels}}%
2952 \def\btxlanguagenametaaustralian{\protect\foreignlanguage{#1}{bulgaars}}%

```

```

2953 \def\btxlabelnamecanadian{\protect\foreignlanguage{#1}{engels}}%
2954 \def\btxlabelnamecanadien{\protect\foreignlanguage{#1}{frans}}%
2955 \def\btxlabelnamecatalan{\protect\foreignlanguage{#1}{katalaans}}%
2956 \def\btxlabelnamecroatian{\protect\foreignlanguage{#1}{kroaties}}%
2957 \def\btxlabelnameczech{\protect\foreignlanguage{#1}{tsjeggies}}%
2958 \def\btxlabelnamedanish{\protect\foreignlanguage{#1}{deens}}%
2959 \def\btxlabelnamedutch{\protect\foreignlanguage{#1}{nederlands}}%
2960 \def\btxlabelnameenglish{\protect\foreignlanguage{#1}{engels}}%
2961 \def\btxlabelnameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
2962 \def\btxlabelnamefinnish{\protect\foreignlanguage{#1}{fins}}%
2963 \def\btxlabelnamefrancais{\protect\foreignlanguage{#1}{frans}}%
2964 \def\btxlabelnamefrench{\protect\foreignlanguage{#1}{frans}}%
2965 \def\btxlabelnamefrenchb{\protect\foreignlanguage{#1}{frans}}%
2966 \def\btxlabelnamegerman{\protect\foreignlanguage{#1}{duits}}%
2967 \def\btxlabelnamegermanb{\protect\foreignlanguage{#1}{duits}}%
2968 \def\btxlabelnamegreek{\protect\foreignlanguage{#1}{grieks}}%
2969 \def\btxlabelnamehebrew{\protect\foreignlanguage{#1}{hebreus}}%
2970 \def\btxlabelnamenhungarian{\protect\foreignlanguage{#1}{hongaars}}%
2971 \def\btxlabelnamenicelandic{\protect\foreignlanguage{#1}{yslands}}%
2972 \def\btxlabelnamenirish{\protect\foreignlanguage{#1}{iers}}%
2973 \def\btxlabelnamenitalian{\protect\foreignlanguage{#1}{italiaans}}%
2974 \def\btxlabelnamenlatin{\protect\foreignlanguage{#1}{latyn}}%
2975 \def\btxlabelnamenaustralian{\protect\foreignlanguage{#1}{duits}}%
2976 \def\btxlabelnamenengerman{\protect\foreignlanguage{#1}{duits}}%
2977 \def\btxlabelnamenennorsk{\protect\foreignlanguage{#1}{noors}}%
2978 \def\btxlabelnamenennorsk{\protect\foreignlanguage{#1}{neo-noors}}%
2979 \def\btxlabelnamenepolish{\protect\foreignlanguage{#1}{pools}}%
2980 \def\btxlabelnamenportuges{\protect\foreignlanguage{#1}{portugees}}%
2981 \def\btxlabelnamenportuguese{\protect\foreignlanguage{#1}{portugees}}%
2982 \def\btxlabelnamenrussian{\protect\foreignlanguage{#1}{russies}}%
2983 \def\btxlabelnamenescottish{\protect\foreignlanguage{#1}{skots}}%
2984 \def\btxlabelnamenaserbian{\protect\foreignlanguage{#1}{serwies}}%
2985 \def\btxlabelnamenaspainish{\protect\foreignlanguage{#1}{spaans}}%
2986 \def\btxlabelnamenaswedish{\protect\foreignlanguage{#1}{sweeds}}%
2987 \def\btxlabelnamenaturkish{\protect\foreignlanguage{#1}{turks}}%
2988 \def\btxlabelnameUKenglish{\protect\foreignlanguage{#1}{engels}}%
2989 \def\btxlabelnameUSenglish{\protect\foreignlanguage{#1}{engels}}%
2990 \fi
2991 }

```

Append the definitions to the language-calling commands.

```

2992 \AtBeginDocument{%
2993   \ifbbbfixlanguage
2994   \else
2995     \bbbaddto{afrikaans}{bibsafrikaans}
2996   \fi

Switch on the change of case in titles for all Afrikaans dialects by appending
\btxfordchangeoff to \extras{language}.
2997   \bbbaddto{afrikaans}{btxfordchangeoff}

```

```

2998 }
2999 </afrikaans>

```

9.3.17 Bahasa

```

3000 <*bahasa>

```

The language definition for Bahasa was provided by Yanti Yulianti.

`\bibsbahasa` Bibliographic commands for Bahasa.

```

3001 %%
3002 %% This is file 'bahasa.bdf',
3003 %% generated with the docstrip utility.
3004 %%
3005 %% The original source files were:
3006 %%
3007 %% babelbib.dtx (with options: 'latex,bahasa')
3008 %%
3009 %% babelbib package
3010 %%
3011 %% Copyright 2003--2005 Harald Harders
3012 %%
3013 %% This program can be redistributed and/or modified under the terms
3014 %% of the LaTeX Project Public License Distributed from CTAN
3015 %% archives in directory macros/latex/base/lppl.txt; either
3016 %% version 1 of the License, or any later version.
3017 %%
3018 %% h.harders@tu-bs.de
3019 %%
3020 \newcommand\bibsbahasa[1][bahasa]{%
3021 \def\biblanguagename{#1}%
3022 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
3023 \def\btxetallong##1{\protect\foreignlanguage{#1}{en~alii }}%
3024 \def\btxandshort##1{\protect\foreignlanguage{#1}{dan}}%
3025 \def\btxandlong##1{\protect\foreignlanguage{#1}{dan}}%
3026 \def\btxandcomma##1{,}%
3027 \def\btxinlong##1{\protect\foreignlanguage{#1}{dalam}}%
3028 \def\btxinshort##1{\protect\foreignlanguage{#1}{dalam}}%
3029 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{dari}}%
3030 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{dalam}}%
3031 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{dari}}%
3032 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{dalam}}%
3033 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
3034 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redaktur}}%
3035 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
3036 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redaktur}}%
3037 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
3038 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}%
3039 \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
3040 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nomor}}%
3041 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{edisi}}%

```

```

3042 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edisi}}%
3043 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{bab##1{}}}%
3044 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{bab}}%
3045 \def\btxpageshort##1{\protect\foreignlanguage{#1}{hal##1{}}}%
3046 \def\btxpagelong##1{\protect\foreignlanguage{#1}{halaman}}%
3047 \def\btxpageshort##1{\protect\foreignlanguage{#1}{hal##1{}}}%
3048 \def\btxpagelong##1{\protect\foreignlanguage{#1}{halaman}}%
3049 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{tesis Master}}%
3050 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{disertasi Doktor}}%
3051 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Lap. \ Rapp##1{}}}%
3052 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Laporan}}%
3053 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januari}}%
3054 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februari}}%
3055 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Maret}}%
3056 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
3057 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mei}}%
3058 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
3059 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
3060 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Augustus}}%
3061 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
3062 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}%
3063 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
3064 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Desember}}%
3065 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
3066 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
3067 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mrt}}%
3068 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
3069 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Mei}}%
3070 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
3071 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
3072 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
3073 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
3074 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
3075 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
3076 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Des##1{}}}%
3077 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Dalam}}%
3078 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Dalam}}%
3079 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
3080 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redaktur}}%
3081 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
3082 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redaktur}}%
3083 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3084 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
3085 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
3086 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nomor}}%
3087 \def\Btxeditionsshort##1{\protect\foreignlanguage{#1}{Ed}}%
3088 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edisi}}%
3089 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Bab##1{}}}%
3090 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Bab}}%
3091 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Hal##1{}}}%

```



```

3092 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Halaman}}%
3093 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Hal##1}}}%
3094 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Halaman}}%
3095 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Lap.\ Rapp##1}}}%
3096 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Laporan}}}%
3097 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, diambil tanggal ##1}}%
3098 \def\btxfnamespaceshort{\,%
3099 \def\btxfnamespacelong{ }%
3100 \def\btxnnumeralsort##1{\btxnnumeralfallback{#1}{##1}}%
3101 \def\btxnnumerallong##1{\btxnnumeralfallback{#1}{##1}}%
3102 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
3103 \ifbbblanguagenames
3104 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{inggris}}%
3105 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{jerman}}%
3106 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugis}}%
3107 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugis}}%
3108 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{inggris}}%
3109 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgaria}}%
3110 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{inggris}}%
3111 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{prancis}}%
3112 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalanya}}%
3113 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroasia}}%
3114 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{ceko}}%
3115 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{denmark}}%
3116 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{belanda}}%
3117 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{inggris}}%
3118 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{spanyol}}%
3119 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finlandia}}%
3120 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{prancis}}%
3121 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{prancis}}%
3122 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{prancis}}%
3123 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{jerman}}%
3124 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{jerman}}%
3125 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{yunani}}%
3126 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{yahudi}}%
3127 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{hungaria}}%
3128 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islandia}}%
3129 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irlandia}}%
3130 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italia}}%
3131 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latin}}%
3132 \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{jerman}}%
3133 % \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{jerman}}%
3134 % \def\btxlanguagenamenorsk{\protect\foreignlanguage{#1}{norwegia}}%
3135 % \def\btxlanguagenamenynorsk{\protect\foreignlanguage{#1}{norwegia baru}}%
3136 % \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polish}}%
3137 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugis}}%
3138 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugis}}%
3139 \def\btxlanguagenameussian{\protect\foreignlanguage{#1}{russia}}%
3140 \def\btxlanguagenamecottish{\protect\foreignlanguage{#1}{skotlandia}}%
3141 \def\btxlanguagenameserbian{\protect\foreignlanguage{#1}{serbia}}%

```

```

3142 \def\btxlabelnamespanish{\protect\foreignlanguage{#1}{spanyol}}%
3143 \def\btxlabelnameswedish{\protect\foreignlanguage{#1}{swedia}}%
3144 \def\btxlabelnameturkish{\protect\foreignlanguage{#1}{turki}}%
3145 \def\btxlabelnameUKenglish{\protect\foreignlanguage{#1}{inggris}}%
3146 \def\btxlabelnameUSenglish{\protect\foreignlanguage{#1}{inggris}}%
3147 \fi
3148 }

```

Append the definitions to the language-calling commands.

```

3149 \AtBeginDocument{%
3150 \ifbbbfixlanguage
3151 \else
3152 \bbbaddto{bahasa}{bibsahasa}
3153 \fi
3154 \bbbaddto{bahasa}{btxifchangeoff}
3155 }
3156 </bahasa>

```

9.3.18 Catalan

```
3157 <*catalan>
```

The language definition for Catalan was provided by Robert Fuster, rfuster@imm.upv.es.

\bibsafrikaans

```

3158 \newcommand\bibscatalan[1][catalan]{%
3159 \def\biblanguagename{#1}%
3160 \def\btxetalshort##1{\protect\foreignlanguage{#1}{i~al##1}}}%
3161 \def\btxetalshort##1{\protect\foreignlanguage{#1}{i~altres}}}%
3162 \def\btxandshort##1{\protect\foreignlanguage{#1}{i}}}%
3163 \def\btxandlong##1{\protect\foreignlanguage{#1}{i}}}%
3164 \def\btxandcomma##1{\}%
3165 \def\btxinlong##1{\protect\foreignlanguage{#1}{dins}}}%
3166 \def\btxinshort##1{\protect\foreignlanguage{#1}{dins}}}%
3167 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{dins}}}%
3168 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}}%
3169 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{dins}}}%
3170 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1}}}%
3171 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}}%
3172 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{eds##1}}}%
3173 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editors}}}%
3174 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1}}}%
3175 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volum}}}%
3176 \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{n}}}%
3177 \def\btxnnumberlong##1{\protect\foreignlanguage{#1}{n'umero}}}%
3178 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{ed##1}}}%
3179 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edici{'o}}}%
3180 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1}}}%
3181 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{cap{'i}tol}}}%
3182 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1}}}%
3183 \def\btxpagelong##1{\protect\foreignlanguage{#1}{p'agina}}}%

```

```

3184 \def\btxpathesshort##1{\protect\foreignlanguage{#1}{ps##1{}}}%
3185 \def\btxpatheslong##1{\protect\foreignlanguage{#1}{p\`agines}}%
3186 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Tesina de Llicenciatura}}%
3187 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Tesi de Doctorat}}%
3188 \def\btxttechrepshort##1{\protect\foreignlanguage{#1}{Rep. t\`ecnic}}%
3189 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{Report t\`ecnic}}%
3190 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{gener}}%
3191 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{febrer}}%
3192 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{mar\`c{c}}}%
3193 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{abril}}%
3194 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{maig}}%
3195 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{juny}}%
3196 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{juliol}}%
3197 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{agost}}%
3198 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{setembre}}%
3199 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{octubre}}%
3200 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{novembre}}%
3201 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{desembre}}%
3202 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{gen##1{}}}%
3203 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{feb##1{}}}%
3204 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mar\`c{c}}}%
3205 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{abr##1{}}}%
3206 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{maig}}%
3207 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{juny}}%
3208 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{jul}}%
3209 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{ago##1{}}}%
3210 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{sep##1{}}}%
3211 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{oct##1{}}}%
3212 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
3213 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{dec##1{}}}%
3214 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Dins}}%
3215 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Dins}}%
3216 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
3217 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}%
3218 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
3219 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editors}}%
3220 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3221 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volum}}%
3222 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{N\`um}}%
3223 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{N\`umero}}%
3224 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
3225 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edici\`o}}%
3226 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
3227 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Cap\`itol}}%
3228 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
3229 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{P\`agina}}%
3230 \def\Btxpagesesshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
3231 \def\Btxpageselong##1{\protect\foreignlanguage{#1}{P\`agines}}%
3232 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Rep. t\`ecnic}}%
3233 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Report t\`ecnic}}%

```

```

3234 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, visitada el ##1}}%
3235 \def\btxfnamespaceshort{\,%
3236 \def\btxfnamespacelong{ }%
3237 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
3238 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%
3239 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
3240 \ifbbblanguagenames
3241 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{angl\`es}}%
3242 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem\`any}}%
3243 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugu\`es}}%
3244 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugu\`es}}%
3245 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{angl\`es}}%
3246 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{b\`ulgar}}%
3247 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{angl\`es}}%
3248 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franc\`es}}%
3249 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catal\`a}}%
3250 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croat}}%
3251 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{txec}}%
3252 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{dan\`es}}%
3253 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{neerland\`es}}%
3254 \def\btxlanguagename english{\protect\foreignlanguage{#1}{angl\`es}}%
3255 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
3256 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finland\`es}}%
3257 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{franc\`es}}%
3258 \def\btxlanguagename french{\protect\foreignlanguage{#1}{franc\`es}}%
3259 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{franc\`es}}%
3260 \def\btxlanguagename german{\protect\foreignlanguage{#1}{alem\`any}}%
3261 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{alem\`any}}%
3262 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{grec}}%
3263 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{hebreu}}%
3264 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{hongar\`es}}%
3265 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{island\`es}}%
3266 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irland\`es}}%
3267 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{itali\`a}}%
3268 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{llat\`i}}%
3269 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{alem\`any}}%
3270 \def\btxlanguagename engerman{\protect\foreignlanguage{#1}{alem\`any}}%
3271 \def\btxlanguagename norwegian{\protect\foreignlanguage{#1}{noruec}}%
3272 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{noruec}}%
3273 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polon\`es}}%
3274 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugu\`es}}%
3275 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugu\`es}}%
3276 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{rus}}%
3277 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{escoc\`es}}%
3278 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbi}}%
3279 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{espa\`nol}}%
3280 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{suec}}%
3281 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turc}}%
3282 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{angl\`es}}%
3283 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{angl\`es}}%

```

```

3284 \fi
3285 }

```

Append the definitions to the language-calling commands.

```

3286 \AtBeginDocument{%
3287   \ifbbbfixlanguage
3288   \else
3289     \bbbbaddto{catalan}{bibscatalan}
3290   \fi

```

Switch on the change of case in titles for all Afrikaans dialects by appending `\btxifchangeoff` to `\extras{language}`.

```

3291 \bbbbaddto{catalan}{btxifchangeoff}
3292 }
3293 \catalan

```

10 BIB_TEX style files

10.1 “Normal” BIB_TEX style files

10.1.1 Generic code

Because most parts of the BIB_TEX style files are equal for all styles, they are generated from the same source code.

```

3294 \*bststd

```

Declare the data fields that are handled by the BIB_TEX styles.

```

3295 ENTRY
3296 { address
3297   annotate
3298   annotelanguage
3299   author
3300   booktitle
3301   chapter
3302   edition
3303   editor
3304   howpublished
3305   institution
3306   isbn
3307   issn
3308   journal
3309   key
3310   language
3311   month
3312   note
3313   number
3314   organization
3315   pages
3316   publisher

```

```

3317     school
3318     series
3319     title
3320     type
3321     url
3322     urldate
3323     volume
3324     year
3325 }
3326 {}
3327 </bststd>
3328 <bststd&!bstalpha> { label }
3329 <bststd & bstalpha> { label extra.label sort.label }
3330 <*bststd>
3331

```

Declare integer variables.

```

3332 INTEGERS
3333 { output.state
3334     before.all
3335     mid.sentence
3336     after.sentence
3337     after.block
3338     before.title
3339 }
3340

```

Declare string variables.

```

3341 STRINGS
3342 { s
3343     t
3344     language.state
3345     change.temp
3346     isbn.command
3347 }
3348

```

Declare the constants that define at which position within a citation we are when processing it.

```

3349 FUNCTION {init.state.consts}
3350 { #0 'before.all :=
3351   #1 'mid.sentence :=
3352   #2 'after.sentence :=
3353   #3 'after.block :=
3354   #4 'before.title :=
3355   "nostate" 'language.state :=
3356 }
3357

```

Logical function not.

Syntax: $\langle int1 \rangle \text{ not } \longrightarrow \langle int2 \rangle$.

Returns 1 if $\langle arg1 \rangle \neq 0$, 0 otherwise.

```

3358 FUNCTION {not}
3359 {   { #0 }
3360     { #1 }
3361   if$
3362 }
3363

```

Logical function and. Syntax: $\langle arg1 \rangle \langle arg1 \rangle$ and. Returns 1 if $\langle arg1 \rangle == \text{true}$ and $\langle arg2 \rangle == \text{true}$, 0 otherwise.

```

3364 FUNCTION {and}
3365 {   'skip$
3366     { pop$ #0 }
3367   if$
3368 }
3369

```

Logical function or. Syntax: $\langle arg1 \rangle \langle arg1 \rangle$ or. Returns 1 if $\langle arg1 \rangle == \text{true}$ or $\langle arg2 \rangle == \text{true}$, 0 otherwise.

```

3370 FUNCTION {or}
3371 {   { pop$ #1 }
3372     'skip$
3373   if$
3374 }
3375

```

Function language.change.case. Syntax: $\langle string1 \rangle \langle string2 \rangle$ language.change.case $\longrightarrow \langle string3 \rangle$ This function has the same syntax as change.case\$ but writes $\langle string1 \rangle$ twice into $\langle string3 \rangle$, first with changed case, second with original case.

```

3376 FUNCTION {language.change.case}
3377 {
3378   'change.temp :=
3379   't :=
3380   "\btXifchangepcase {"
3381   t change.temp change.case$ *
3382   "}{ " *
3383   t *
3384   "}" *
3385 }
3386

```

Generates output for the string $\langle string1 \rangle$. Syntax: $\langle string1 \rangle$ output.nonnull $\longrightarrow \langle string2 \rangle$

```

3387 FUNCTION {output.nonnull}
3388 { 's :=
3389   output.state mid.sentence =
3390   { " " * write$ }
3391   { output.state after.block =
3392     { add.period$ write$
3393       newline$
3394       "\newblock " write$

```

```

3395     }
3396     { output.state before.all =
3397       'write$
3398       {
3399         output.state before.title =
3400         { "\btxauthorcolon\ " * write$ }
3401         { add.period$ " " * write$ }
3402         if$
3403       }
3404       if$
3405     }
3406     if$
3407     mid.sentence 'output.state :=
3408   }
3409   if$
3410   s
3411 }
3412

```

Generates output if the given string $\langle string1 \rangle$ is not empty. Syntax: $\langle string1 \rangle$
 $output.nonnull \longrightarrow \langle string2 \rangle$

```

3413 FUNCTION {output}
3414 { duplicate$ empty$
3415   'pop$
3416   'output.nonnull
3417   if$
3418 }
3419
3420 FUNCTION {output.check}
3421 { 't :=
3422   duplicate$ empty$
3423   { pop$ "empty " t * " in " * cite$ * warning$ }
3424   'output.nonnull
3425   if$
3426 }
3427

```

Outputs a bibliography item.

```

3428 FUNCTION {output.bibitem}
3429 { newline$

```

If no language is given, fall back to the language that has been active at $\backslash begin\{document\}$ or to the given fall-back language. For $\text{BIB}\text{T}_{\text{E}}\text{X}$, this language gets the name `nolanguage`.

```

3430   language empty$
3431   {
3432     language.state "nolanguage" =
3433     'skip$
3434     {
3435       "empty language in " cite$ * warning$

```



```

3436         "\expandafter\btselectlanguage\expandafter {"
3437         "\bt fallbacklanguage}" *
3438         write$ newline$
3439     }
3440     if$
3441     "nolanguage" 'language.state :=
3442 }
3443 {
3444     language.state language =
3445     'skip$
3446     {
3447         "\btselectlanguage {" language * "}" *
3448         write$ newline$
3449     }
3450     if$
3451     language 'language.state :=
3452 }
3453 if$
3454 </bststd>
3455 <bststd&!bstalpha> "\bibitem {" write$
3456 <bststd & bstalpha> "\bibitem [{" label * "}]{" * write$
3457 <*bststd>
3458 cite$ write$
3459 "}" write$
3460 newline$
3461 ""
3462 before.all 'output.state :=
3463 }
3464

```

Output an ISBN or ISSN.

Syntax: $\langle string1 \rangle \langle string2 \rangle$ output.isbn

Prints the ISBN or ISSN given by $\langle string1 \rangle$ and uses the \TeX macro given by $\langle string2 \rangle$ to determine if the text is printed or not. $\langle string2 \rangle$ normally is \ifbtprintISSN or \ifbtprintISSN .

```

3465 FUNCTION {output.isbn}
3466 {
3467     'isbn.command :=
3468     duplicate$
3469     empty$
3470     'pop$
3471     {
3472         's :=
3473         output.state mid.sentence =
3474         {
3475             isbn.command * " {" , " * write$
3476             s "}" *
3477         }
3478         { output.state after.block =
3479             {

```

```

3480         add.period$
3481         write$
3482         newline$
3483         "\newblock " write$
3484         isbn.command " {" * s * "." *
3485     }
3486     { output.state before.all =
3487         {
3488             write$
3489             isbn.command " {" * write$
3490             s "}" *
3491         }
3492         {
3493             output.state before.title =
3494                 {
3495                     "\btxauthorcolon\ " * write$
3496                     isbn.command " {" * write$
3497                     s "}" *
3498                 }
3499                 {
3500                     add.period$ " " * write$
3501                     isbn.command " {" * write$
3502                     s "." *
3503                 }
3504             if$
3505         }
3506         if$
3507     }
3508     if$
3509     mid.sentence 'output.state :=
3510 }
3511 if$
3512 }
3513 if$
3514 }
3515

```

Completes an entry.

```

3516 FUNCTION {fin.entry}
3517 { add.period$
3518   write$
3519   newline$
3520 }
3521
3522 FUNCTION {new.block}
3523 { output.state before.all =
3524   'skip$
3525   { after.block 'output.state := }
3526   if$
3527 }

```

```

3528
3529 FUNCTION {new.sentence}
3530 { output.state after.block =
3531   'skip$
3532   { output.state before.all =
3533     'skip$
3534     { after.sentence 'output.state := }
3535     if$
3536   }
3537   if$
3538 }
3539
3540 FUNCTION {after.authors}
3541 { output.state before.all =
3542   'skip$
3543   { before.title 'output.state := }
3544   if$
3545 }
3546
3547 FUNCTION {new.block.checka}
3548 { empty$
3549   'skip$
3550   'new.block
3551   if$
3552 }
3553
3554 FUNCTION {new.block.checkb}
3555 { empty$
3556   swap$ empty$
3557   and
3558   'skip$
3559   'new.block
3560   if$
3561 }
3562
3563 FUNCTION {new.block.checkc}
3564 { empty$
3565   swap$ empty$
3566   and
3567   'skip$
3568   'after.authors
3569   if$
3570 }
3571
3572 FUNCTION {new.sentence.checka}
3573 { empty$
3574   'skip$

```

```

3575     'new.sentence
3576   if$
3577 }
3578
3579 FUNCTION {new.sentence.checkb}
3580 { empty$
3581   swap$ empty$
3582   and
3583     'skip$
3584     'new.sentence
3585   if$
3586 }
3587
3588 FUNCTION {field.or.null}
3589 { duplicate$ empty$
3590   { pop$ "" }
3591   'skip$
3592   if$
3593 }
3594
3595 FUNCTION {namefont}
3596 { duplicate$ empty$
3597   { pop$ "" }
3598   { "\btinamefont {" swap$ * "}" * }
3599   if$
3600 }
3601
3602 FUNCTION {lastnamefont}
3603 { duplicate$ empty$
3604   { pop$ "" }
3605   { "\btlastnamefont {" swap$ * "}" * }
3606   if$
3607 }
3608
3609 Set font for titles:
3608 FUNCTION {titlefont}
3609 { duplicate$ empty$
3610   { pop$ "" }
3611   { "\btxtitlefont {" swap$ * "}" * }
3612   if$
3613 }
3614
3615 Set font for titles of articles in journals:
3614 FUNCTION {jtitlefont}
3615 { duplicate$ empty$
3616   { pop$ "" }
3617   { "\btxjtitlefont {" swap$ * "}" * }
3618   if$
3619 }

```

Set font for the journal name:

```

3620 FUNCTION {journalfont}
3621 { duplicate$ empty$
3622   { pop$ "" }
3623   { "\btjournalfont {" swap$ * "}" * }
3624   if$
3625 }

```

Set font for the publisher name:

```

3626 FUNCTION {publisherfont}
3627 { duplicate$ empty$
3628   { pop$ "" }
3629   { "\btpublisherfont {" swap$ * "}" * }
3630   if$
3631 }

```

```

3632 FUNCTION {volumefont}
3633 { duplicate$ empty$
3634   { pop$ "" }
3635   { "\btvolumefont {" swap$ * "}" * }
3636   if$
3637 }
3638

```

```

3639 FUNCTION {etalfont}
3640 { duplicate$ empty$
3641   { pop$ "" }
3642   { "\btetalfont {" swap$ * "}" * }
3643   if$
3644 }
3645

```

```

3646 INTEGERS { nameptr namesleft numnames }
3647

```

```

3648 FUNCTION {format.names}
3649 { 's :=
3650   #1 'nameptr :=
3651   s num.names$ 'numnames :=
3652   numnames 'namesleft :=
3653   { namesleft #0 > }
3654   { nameptr #1 >
3655     {
3656 </bststd>
3657 <*bststd&!bstshort&!namevarb>
3658       s nameptr "{ff{\btxfnamespacelong } }{vv~}" format.name$
3659       s nameptr "{ll}" format.name$ lastnamefont *
3660       s nameptr "{, jj}" format.name$ *
3661       't :=
3662 </bststd&!bstshort&!namevarb>
3663 <*bststd & bstshort&!namevarb>
3664       s nameptr

```

```

3665      "{f{.\btxfnamespaceshort }.~}{vv~}" format.name$
3666      s nameptr "{l1}" format.name$ lastnamefont *
3667      s nameptr "{,~jj}" format.name$ *
3668      't :=
3669 </bststd & bstshort&!namevarb>
3670 <*bststd&!bstshort & namevarb>
3671      s nameptr "{l1}" format.name$ lastnamefont
3672      s nameptr "{,~jj}{, ff{.\btxfnamespacelong }}{~vv}" format.name$ *
3673      't :=
3674 </bststd&!bstshort & namevarb>
3675 <*bststd & bstshort & namevarb>
3676      s nameptr "{l1}" format.name$ lastnamefont
3677      s nameptr "{,~jj}{,~f{.\btxfnamespaceshort }.}{~vv}" format.name$ *
3678      't :=
3679 </bststd & bstshort & namevarb>
3680 <*bststd & bstthree>
3681      namesleft #2 >
3682      { " " "\btxetalshort {." etalfont * *
3683      #1 'namesleft := }
3684      {
3685 </bststd & bstthree>
3686 <*bststd>
3687      namesleft #1 >
3688      { ", " * t namefont * }
3689      { numnames #2 >
3690      { "\btxandcomma {}" * }
3691      'skip$
3692      if$
3693      s nameptr "{ff~}{vv~}{l1}{, jj}" format.name$ "others" =
3694      { " " "\btxetalshort {." etalfont * * }
3695 </bststd>
3696 <bststd&!bstshort>      { " \btxandlong {} \ " * t namefont * }
3697 <bststd & bstshort>      { " \btxandshort {." \ " * t namefont * }
3698 <*bststd & bstthree>
3699      if$
3700      }
3701 </bststd & bstthree>
3702 <*bststd>
3703      if$
3704      }
3705      if$
3706      }
3707      {
3708 </bststd>
3709 <*bststd&!bstshort&!namevara>
3710      s nameptr "{l1}" format.name$ lastnamefont
3711      s nameptr "{,~jj}{, ff{.\btxfnamespacelong }}{~vv}"
3712      format.name$ * namefont
3713 </bststd&!bstshort&!namevara>
3714 <*bststd & bstshort&!namevara>

```

```

3715         s nameptr "{ll}" format.name$ lastnamefont
3716         s nameptr "{,~jj}{,~f{.\btxfnamespaceshort }.}{~vv}"
3717         format.name$ * namefont
3718 </bststd & bstshort&!namevara>
3719 <*bststd&!bstshort & namevara>
3720         s nameptr "{ff{\btxfnamespacelong } }{vv~}" format.name$
3721         s nameptr "{ll}" format.name$ lastnamefont *
3722         s nameptr "{,~jj}" format.name$ * namefont
3723 </bststd&!bstshort & namevara>
3724 <*bststd & bstshort & namevara>
3725         s nameptr "{f{.\btxfnamespaceshort }.~}{vv~}" format.name$
3726         s nameptr "{ll}" format.name$ lastnamefont *
3727         s nameptr "{,~jj}" format.name$ * namefont
3728 </bststd & bstshort & namevara>
3729 <*bststd>
3730     }
3731     if$
3732     nameptr #1 + 'nameptr :=
3733     namesleft #1 - 'namesleft :=
3734 }
3735 while$
3736 }
3737
3738 FUNCTION {format.authors}
3739 { author empty$
3740   { "" }
3741   { author format.names }
3742   if$
3743 }
3744
3745 FUNCTION {format.editors}
3746 { editor empty$
3747   { "" }
3748   { editor format.names
3749     editor num.names$ #1 >
3750 </bststd>
3751 <*bststd&!bstshort>
3752     { "\ (\btxeditorslong {})" * }
3753     { "\ (\btxeditorlong {})" * }
3754 </bststd&!bstshort>
3755 <*bststd & bstshort>
3756     { "\ (\btxeditorsshort {.})" * }
3757     { "\ (\btxeditorshort {.})" * }
3758 </bststd & bstshort>
3759 <*bststd>
3760     if$
3761   }
3762   if$
3763 }

```

Format the title:

```
3764 FUNCTION {format.title}
3765 { title empty$
3766   { "" }
3767   { title "t" language.change.case titlefont }
3768   if$
3769 }
```

Format the title of a journal article:

```
3770 FUNCTION {format.jtitle}
3771 { title empty$
3772   { "" }
3773   { title "t" language.change.case jtitlefont }
3774   if$
3775 }
```

```
3776 FUNCTION {n.dashify}
3777 { 't :=
3778   ""
3779   { t empty$ not }
3780   { t #1 #1 substring$ "-" =
3781     { t #1 #2 substring$ "--" = not
3782       { "--" *
3783         t #2 global.max$ substring$ 't :=
3784       }
3785       { { t #1 #1 substring$ "-" = }
3786         { "-" *
3787           t #2 global.max$ substring$ 't :=
3788         }
3789       while$
3790     }
3791     if$
3792   }
3793   { t #1 #1 substring$ *
3794     t #2 global.max$ substring$ 't :=
3795   }
3796   if$
3797 }
3798 while$
3799 }
3800
```

```
3801 FUNCTION {format.date}
3802 { year empty$
3803   { month empty$
3804     { "" }
3805     { "there's a month but no year in " cite$ * warning$
3806       month
3807     }
3808   if$
3809 }
```



```

3810     { month empty$
3811         'year
3812         { month "\ " * year * }
3813         if$
3814     }
3815 if$
3816 }
3817
3818 FUNCTION {format.btitle}
3819 { title titlefont
3820 }
3821
3822 FUNCTION {tie.or.space.connect}
3823 { duplicate$ text.length$ #3 <
3824     { "~" }
3825     { "\ " }
3826     if$
3827     swap$ * *
3828 }
3829
3830 FUNCTION {volume.tie.or.space.connect}
3831 { duplicate$ text.length$ #3 <
3832     { "~" }
3833     { "\ " }
3834     if$
3835     swap$ volumefont * *
3836 }
3837
3838 FUNCTION {either.or.check}
3839 { empty$
3840     'pop$
3841     { "can't use both " swap$ * " fields in " * cite$ * warning$ }
3842     if$
3843 }
3844
3845 FUNCTION {format.bvolume}
3846 { volume empty$
3847     { "" }
3848     { output.state after.block =
3849     </bststd>
3850     <bststd&!bstshort>      { "\Btxvolumelong {}" }
3851     <bststd&!bstshort>      { "\btxivolumelong {}" }
3852     <bststd & bstshort>     { "\Btxvolumeshort {}." }
3853     <bststd & bstshort>     { "\btxivolumeshort {}." }
3854     <*bststd>
3855         if$
3856         volume volume.tie.or.space.connect
3857         series empty$

```

```

3858         'skip$
3859 </bststd>
3860 <bststd&!bstshort>          { " \btxofserieslong {} \ " * series titlefont * }
3861 <bststd & bstshort>         { " \btxofseriesshort {} \ " * series titlefont * }
3862 <*bststd>
3863     if$
3864         "volume and number" number either.or.check
3865     }
3866     if$
3867 }
3868
3869 FUNCTION {format.number.series}
3870 { volume empty$
3871     { number empty$
3872         { series field.or.null }
3873         { output.state mid.sentence =
3874 </bststd>
3875 <bststd&!bstshort>          { "\btxnumberlong {}" }
3876 <bststd&!bstshort>          { "\Btxnumberlong {}" }
3877 <bststd & bstshort>         { "\btxnumbershort {}" }
3878 <bststd & bstshort>         { "\Btxnumbershort {}" }
3879 <*bststd>
3880         if$
3881             number tie.or.space.connect
3882             series empty$
3883             { "there's a number but no series in " cite$ * warning$ }
3884 </bststd>
3885 <bststd&!bstshort>          { " \btxinserieslong {} \ " * series titlefont * }
3886 <bststd & bstshort>         { " \btxinseriesshort {} \ " * series titlefont * }
3887 <*bststd>
3888         if$
3889             }
3890         if$
3891             }
3892         { "" }
3893     if$
3894 }
3895
3896 FUNCTION {format.edition}
3897 { edition empty$
3898     { "" }
3899     {
3900 </bststd>

```

Handle the edition first to get the beginning of the sentence. Afterwards, the text before the edition is put to the stack and exchanged with the edition number itself.

```

3901 <*bststd&!bstshort>
3902     output.state mid.sentence =
3903     { edition "1" change.case$ }

```

```

3904         { edition "t" change.case$ }
3905     if$
3906     "\btxnnumerallong {" swap$ *
3907     "~\btxeditionlong {" *
3908 </bststd&!bstshort>
3909 <*bststd & bstshort>
3910     output.state mid.sentence =
3911     { edition "l" change.case$ }
3912     { edition "t" change.case$ }
3913     if$
3914     "\btxnnumeralshort {" swap$ *
3915     "~\btxeditionsshort {" *
3916 </bststd & bstshort>
3917 <*bststd>
3918     }
3919 if$
3920 }
3921
3922 FUNCTION {format.isbn}
3923 { isbn empty$
3924     { "" }
3925     { "\mbox{\btxISBN~\btxISBNfont {" isbn * "}}" * }
3926 if$
3927 }
3928
3929 FUNCTION {format.issn}
3930 { issn empty$
3931     { "" }
3932     { "\mbox{\btxISSN~\btxISSNfont {" issn * "}}" * }
3933 if$
3934 }
3935 FUNCTION {format.url}
3936 { url empty$
3937     { "" }
3938     {
3939         urldate empty$
3940         { "{\latintext \btxurlfont{" url * "}}" * }
3941         {
3942             "{\latintext \btxurlfont{" url * "}}%" *
3943             newline$ output
3944             "\btxurldatecomment {\btxkeywordlanguage {\btxurldatefont{"
3945                 urldate * "}}}" *
3946         }
3947     if$
3948     }
3949 if$
3950 }

```

Format annotations:

```

3951 FUNCTION {write.annotate}
3952 { annotate empty$
3953   'skip$
3954   {
3955     annotelanguage empty$
3956     { "\btkeywordlanguage {" }
3957     { "{\selectlanguage {" annotelanguage * "}" * }
3958     if$
3959     "\btannotation {" * annotate * "}" *
3960     write$ newline$
3961   }
3962   if$
3963 }

3964 INTEGERS { multiresult }
3965

3966 FUNCTION {multi.page.check}
3967 { 't :=
3968   #0 'multiresult :=
3969   { multiresult not
3970     t empty$ not
3971     and
3972   }
3973   { t #1 #1 substring$
3974     duplicate$ "-" =
3975     swap$ duplicate$ "," =
3976     swap$ "+" =
3977     or or
3978     { #1 'multiresult := }
3979     { t #2 global.max$ substring$ 't := }
3980     if$
3981   }
3982   while$
3983   multiresult
3984 }
3985

3986 FUNCTION {format.pages}
3987 { pages empty$
3988   { "" }
3989   { pages multi.page.check
3990   </bststd>
3991   <*bststd&!bstshort>
3992     { "\btxpatheslong {" pages n.dashify tie.or.space.connect }
3993     { "\btxpathelong {" pages tie.or.space.connect }
3994   </bststd&!bstshort>
3995   <*bststd & bstshort>
3996     { "\btxpathesshort {" pages n.dashify tie.or.space.connect }
3997     { "\btxpatheshort {" pages tie.or.space.connect }
3998   </bststd & bstshort>
3999   <*bststd>

```

```

4000         if$
4001     }
4002     if$
4003 }
4004
4005 FUNCTION {format.vol.num.pages}
4006 { volume field.or.null
4007     number empty$
4008     'skip$
4009     { "(" number * ")" * *
4010         volume empty$
4011         { "there's a number but no volume in " cite$ * warning$ }
4012         'skip$
4013         if$
4014     }
4015     if$
4016     pages empty$
4017     'skip$
4018     { duplicate$ empty$
4019         { pop$ format.pages }
4020         { ":" * pages n.dashify * }
4021         if$
4022     }
4023     if$
4024 }
4025
4026 FUNCTION {format.chapter.pages}
4027 { chapter empty$
4028     'format.pages
4029     { type empty$
4030     </bststd>
4031     <bststd&!bstshort>          { "\btchapterlong {}" }
4032     <bststd & bstshort>          { "\btchaptershort {:.}" }
4033     <*bststd>
4034         { type "l" language.change.case }
4035         if$
4036         chapter tie.or.space.connect
4037         pages empty$
4038         'skip$
4039         { ", " * format.pages * }
4040         if$
4041     }
4042     if$
4043 }
4044
4045 FUNCTION {format.in.ed.booktitle}
4046 { booktitle empty$
4047     { "" }
4048     { editor empty$

```

```

4049 </bststd>
4050 <*bststd&!bstshort>
4051     { "\Btxinlong {} \ " booktitle titlefont * }
4052     { "\Btxinlong {} \ " format.editors * ": " * booktitle titlefont * }
4053 </bststd&!bstshort>
4054 <*bststd & bstshort>
4055     { "\Btxinshort {:.} \ " booktitle titlefont * }
4056     { "\Btxinshort {:.} \ " format.editors * ": " * booktitle titlefont * }
4057 </bststd & bstshort>
4058 <*bststd>
4059     if$
4060     }
4061     if$
4062 }
4063
4064 FUNCTION {empty.misc.check}
4065 { author empty$ title empty$ howpublished empty$
4066   month empty$ year empty$ note empty$
4067   and and and and
4068   key empty$ not and
4069   { "all relevant fields are empty in " cite$ * warning$ }
4070   'skip$
4071   if$
4072 }
4073
4074 FUNCTION {format.thesis.type}
4075 { type empty$
4076   'skip$
4077   { pop$
4078     type "t" language.change.case
4079   }
4080   if$
4081 }
4082
4083 FUNCTION {format.tr.number}
4084 {
4085   number empty$
4086   {
4087     type empty$
4088 </bststd>
4089 <bststd&!bstshort>     { "\btotechreplong {}" }
4090 <bststd & bstshort>    { "\btotechrepsshort {:.}" }
4091 <*bststd>
4092     { type "t" language.change.case }
4093     if$
4094   }
4095   {
4096     type empty$

```

```

4097 </bststd>

4098 <bststd&!bstshort>      { "\Btxtechreplong {}" }
4099 <bststd & bstshort>     { "\Btxtechrepshort {}" }
4100 <*bststd>
4101     { type "t" language.change.case }
4102     if$
4103     number tie.or.space.connect
4104 }
4105 if$
4106 }
4107

4108 FUNCTION {format.article.crossref}
4109 { key empty$
4110 </bststd>
4111 <*bststd&!bstshort>
4112     { journal empty$
4113         { "need key or journal for " cite$ * " to crossref " * crossref *
4114           warning$
4115           ""
4116         }
4117         { "\Btxinlong {}" \ " journal titlefont * }
4118         if$
4119     }
4120     { "\Btxinlong {}" \ " key titlefont * }
4121 </bststd&!bstshort>
4122 <*bststd & bstshort>
4123     { journal empty$
4124         { "need key or journal for " cite$ * " to crossref " * crossref *
4125           warning$
4126           ""
4127         }
4128         { "\Btxinshort {}" \ " journal titlefont * }
4129         if$
4130     }
4131     { "\Btxinshort {}" \ " key titlefont * }
4132 </bststd & bstshort>
4133 <*bststd>
4134     if$
4135     " \cite{" * crossref * "}" *
4136 }
4137

4138 FUNCTION {format.crossref.editor}
4139 {
4140 </bststd>
4141 <*bststd&!bstshort>
4142     editor #1 "{ll}{,~jj}{, ff}{~vv}" format.name$ namefont
4143 </bststd&!bstshort>
4144 <*bststd & bstshort>

```

```

4145 editor #1 "{ll}{,~jj}{,~f.}{~vv}" format.name$ namefont
4146 </bststd & bstshort>
4147 <*bststd>
4148 editor num.names$ duplicate$
4149 #2 >
4150 { pop$ " " "\btxetalshort {." etalfont * * }
4151 { #2 <
4152     'skip$
4153     { editor #2 "{ff }{vv }{ll}{ jj}" format.name$ "others" =
4154         { " " "\btxetalshort {." etalfont * * }
4155 </bststd>
4156 <*bststd&!bstshort>
4157     { " "\btxandlong {} \ " * editor #2 "{ff }{~vv}{~ll}{, jj}"
4158 </bststd&!bstshort>
4159 <*bststd & bstshort>
4160     { " "\btxandshort {." \ " * editor #2 "{vv~}{ll}"
4161 </bststd & bstshort>
4162 <*bststd>
4163     format.name$ namefont * }
4164     if$
4165     }
4166     if$
4167     }
4168     if$
4169 }
4170
4171 FUNCTION {format.book.crossref}
4172 { volume empty$
4173   { "empty volume in " cite$ * "'s crossref of " * crossref * warning$
4174 </bststd>
4175 <bststd&!bstshort>     "\Btxinlong {} \ "
4176 <bststd & bstshort>     "\Btxinshort {." \ "
4177 <*bststd>
4178   }
4179 </bststd>
4180 <*bststd&!bstshort>
4181   { "\Btxvolumelong {}" volume volume.tie.or.space.connect
4182     " \btxofserieslong {} \ " *
4183 </bststd&!bstshort>
4184 <*bststd & bstshort>
4185   { "\Btxvolumeshort {." volume volume.tie.or.space.connect
4186     " \btxofseriesshort {." \ " *
4187 </bststd & bstshort>
4188 <*bststd>
4189   }
4190   if$
4191   editor empty$
4192   editor field.or.null author field.or.null =
4193   or

```



```

4194     { key empty$
4195         { series empty$
4196             { "need editor, key, or series for " cite$ * " to crossref " *
4197               crossref * warning$
4198               "" *
4199             }
4200             { series titlefont * }
4201             if$
4202           }
4203           { key titlefont * }
4204         if$
4205       }
4206       { format.crossref.editor * }
4207     if$
4208     " \cite{" * crossref * "}" *
4209 }
4210
4211 FUNCTION {format.incoll.inproc.crossref}
4212 { editor empty$
4213   editor field.or.null author field.or.null =
4214   or
4215   { key empty$
4216     { booktitle empty$
4217       { "need editor, key, or booktitle for " cite$ * " to crossref " *
4218         crossref * warning$
4219         ""
4220       }
4221     }
4222     <bststd> { "\Btxinlong {} \ " booktitle titlefont * }
4223     <bststd & bstshort> { "\Btxinshort {:.} \ " booktitle titlefont * }
4224     <*bststd>
4225       if$
4226     }
4227   </bststd>
4228   <bststd&!bstshort> { "\Btxinlong {} \ " key titlefont * }
4229   <bststd & bstshort> { "\Btxinshort {:.} \ " key titlefont * }
4230   <*bststd>
4231     if$
4232   }
4233 </bststd>
4234 <bststd&!bstshort> { "\Btxinlong {} \ " format.crossref.editor * }
4235 <bststd & bstshort> { "\Btxinshort {:.} \ " format.crossref.editor * }
4236 <*bststd>
4237   if$
4238   " \cite{" * crossref * "}" *
4239 }
4240
4241 FUNCTION {article}
4242 { output.bibitem

```

```

4243 format.authors "author" output.check
4244 after.authors
4245 format.jtitle "title" output.check
4246 new.block
4247 crossref missing$
4248   { journal
4249     title missing$
4250     { titlefont }
4251     { journalfont }
4252     if$
4253     "journal" output.check
4254     format.vol.num.pages output
4255     format.date "year" output.check
4256   }
4257   { format.article.crossref output.nonnull
4258     format.pages output
4259   }
4260 if$
4261 format.issn "\ifbtxprintISSN" output.isbn
4262 new.block
4263 format.url output
4264 note output
4265 fin.entry
4266 write.annote
4267 }
4268
4269 FUNCTION {book}
4270 { output.bibitem
4271   author empty$
4272   { format.editors "author and editor" output.check }
4273   { format.authors output.nonnull
4274     crossref missing$
4275     { "author and editor" editor either.or.check }
4276     'skip$
4277     if$
4278   }
4279 if$
4280 after.authors
4281 format.btitle "title" output.check
4282 crossref missing$
4283   { format.bvolume output
4284     new.block
4285     format.number.series output
4286     new.sentence
4287     publisher "publisher" output.check publisherfont
4288     address output
4289   }
4290   { new.block
4291     format.book.crossref output.nonnull

```

```

4292     }
4293   if$
4294     format.edition output
4295     format.date "year" output.check
4296     format.isbn "\ifbtxprintISBN" output.isbn
4297     new.block
4298     format.url output
4299     note output
4300     fin.entry
4301     write.annotate
4302 }
4303
4304 FUNCTION {booklet}
4305 { output.bibitem
4306   format.authors output
4307   after.authors
4308   format.title "title" output.check
4309   howpublished address new.block.checkb
4310   howpublished output
4311   address output
4312   format.date output
4313   new.block
4314   format.url output
4315   note output
4316   fin.entry
4317   write.annotate
4318 }
4319
4320 FUNCTION {inbook}
4321 { output.bibitem
4322   author empty$
4323     { format.editors "author and editor" output.check }
4324     { format.authors output.nonnull
4325       crossref missing$
4326         { "author and editor" editor either.or.check }
4327         'skip$
4328       if$
4329     }
4330   if$
4331   after.authors
4332   format.btitle "title" output.check
4333   crossref missing$
4334     { format.bvolume output
4335       format.chapter.pages "chapter and pages" output.check
4336       new.block
4337       format.number.series output
4338       new.sentence
4339       publisher "publisher" output.check publisherfont
4340       address output

```

```

4341     }
4342     { format.chapter.pages "chapter and pages" output.check
4343       new.block
4344       format.book.crossref output.nonnull
4345     }
4346   if$
4347   format.edition output
4348   format.date "year" output.check
4349   format.isbn "\ifbtxprintISBN" output.isbn
4350   new.block
4351   format.url output
4352   note output
4353   fin.entry
4354   write.annote
4355 }
4356
4357 FUNCTION {incollection}
4358 { output.bibitem
4359   format.authors "author" output.check
4360   after.authors
4361   format.title "title" output.check
4362   new.block
4363   crossref missing$
4364     { format.in.ed.booktitle "booktitle" output.check
4365       format.bvolume output
4366       format.number.series output
4367       format.chapter.pages output
4368       new.sentence
4369       publisher "publisher" output.check publisherfont
4370       address output
4371       format.edition output
4372       format.date "year" output.check
4373     }
4374     { format.incoll.inproc.crossref output.nonnull
4375       format.chapter.pages output
4376     }
4377   if$
4378   format.isbn "\ifbtxprintISBN" output.isbn
4379   new.block
4380   format.url output
4381   note output
4382   fin.entry
4383   write.annote
4384 }
4385
4386 FUNCTION {inproceedings}
4387 { output.bibitem
4388   format.authors "author" output.check
4389   after.authors

```

```

4390 format.title "title" output.check
4391 new.block
4392 crossref missing$
4393 { format.in.ed.booktitle "booktitle" output.check
4394   format.bvolume output
4395   format.number.series output
4396   format.pages output
4397   address empty$
4398   { organization publisher new.sentence.checkb
4399     organization output
4400     publisher publisherfont output
4401     format.date "year" output.check
4402   }
4403   { address output.nonnull
4404     format.date "year" output.check
4405     new.sentence
4406     organization output
4407     publisher publisherfont output
4408   }
4409   if$
4410 }
4411 { format.incoll.inproc.crossref output.nonnull
4412   format.pages output
4413 }
4414 if$
4415 format.isbn "\ifbtxprintISBN" output.isbn
4416 new.block
4417 format.url output
4418 note output
4419 fin.entry
4420 write.annote
4421 }
4422
4423 FUNCTION {conference} { inproceedings }
4424
4425 FUNCTION {manual}
4426 { output.bibitem
4427   author empty$
4428   { organization empty$
4429     'skip$
4430     { organization output.nonnull
4431       address output
4432     }
4433   if$
4434 }
4435 { format.authors output.nonnull }
4436 if$
4437 after.authors
4438 format.btitle "title" output.check

```

```

4439 author empty$
4440   { organization empty$
4441     { address new.block.checka
4442       address output
4443     }
4444     'skip$
4445     if$
4446   }
4447   { organization address new.block.checkb
4448     organization output
4449     address output
4450   }
4451   if$
4452   format.edition output
4453   format.date output
4454   format.isbn "\ifbtxprintISBN" output.isbn
4455   new.block
4456   format.url output
4457   note output
4458   fin.entry
4459   write.annotate
4460 }
4461
4462 FUNCTION {mastersthesis}
4463 { output.bibitem
4464   format.authors "author" output.check
4465   after.authors
4466   format.title "title" output.check
4467   new.block
4468   "\btxmastthesis {}" format.thesis.type output.nonnull
4469   school "school" output.check
4470   address output
4471   format.date "year" output.check
4472   new.block
4473   format.url output
4474   note output
4475   fin.entry
4476   write.annotate
4477 }
4478
4479 FUNCTION {misc}
4480 { output.bibitem
4481   format.authors output
4482   title howpublished new.block.checkc
4483   format.title output
4484   howpublished new.block.checka
4485   howpublished output
4486   format.date output
4487   format.isbn "\ifbtxprintISBN" output.isbn

```

```

4488 new.block
4489 format.issn "\ifbtxprintISSN" output.isbn
4490 new.block
4491 format.url output
4492 note output
4493 fin.entry
4494 write.annote
4495 empty.misc.check
4496 }
4497
4498 FUNCTION {phdthesis}
4499 { output.bibitem
4500   format.authors "author" output.check
4501   after.authors
4502   format.btitle "title" output.check
4503   new.block
4504   "\btxphdthesis {}" format.thesis.type output.nonnull
4505   school "school" output.check
4506   address output
4507   format.date "year" output.check
4508   format.isbn "\ifbtxprintISBN" output.isbn
4509   new.block
4510   format.url output
4511   note output
4512   fin.entry
4513   write.annote
4514 }
4515
4516 FUNCTION {proceedings}
4517 { output.bibitem
4518   editor empty$
4519   { organization output }
4520   { format.editors output.nonnull }
4521   if$
4522   after.authors
4523   format.btitle "title" output.check
4524   format.bvolume output
4525   format.number.series output
4526   address empty$
4527   { editor empty$
4528     { publisher new.sentence.checka }
4529     { organization publisher new.sentence.checkb
4530       organization output
4531     }
4532     if$
4533     publisher publisherfont output
4534     format.date "year" output.check
4535   }
4536   { address output.nonnull

```

```

4537     format.date "year" output.check
4538     new.sentence
4539     editor empty$
4540     'skip$
4541     { organization output }
4542     if$
4543     publisher publisherfont output
4544 }
4545 if$
4546 format.isbn "\ifbtxprintISBN" output.isbn
4547 new.block
4548 format.url output
4549 note output
4550 fin.entry
4551 write.annote
4552 }
4553
4554 FUNCTION {techreport}
4555 { output.bibitem
4556   format.authors "author" output.check
4557   after.authors
4558   format.title "title" output.check
4559   new.block
4560   format.tr.number output.nonnull
4561   institution "institution" output.check
4562   address output
4563   format.date "year" output.check
4564   format.isbn "\ifbtxprintISBN" output.isbn
4565   new.block
4566   format.url output
4567   note output
4568   fin.entry
4569   write.annote
4570 }
4571
4572 FUNCTION {unpublished}
4573 { output.bibitem
4574   format.authors "author" output.check
4575   after.authors
4576   format.title "title" output.check
4577   new.block
4578   format.url output
4579   note "note" output.check
4580   format.date output
4581   fin.entry
4582   write.annote
4583 }
4584
4585 FUNCTION {default.type} { misc }

```


4586

4587 \langle /bststd \rangle

Months and journals:

4588 \langle *bststd&!bstshort \rangle

4589 MACRO {jan} {"\btixonjanlong {}"}

4590 MACRO {feb} {"\btixonfeblong {}"}

4591 MACRO {mar} {"\btixonmarlong {}"}

4592 MACRO {apr} {"\btixonaprlong {}"}

4593 MACRO {may} {"\btixonmaylong {}"}

4594 MACRO {jun} {"\btixonjunlong {}"}

4595 MACRO {jul} {"\btixonjullong {}"}

4596 MACRO {aug} {"\btixonauglong {}"}

4597 MACRO {sep} {"\btixonseplong {}"}

4598 MACRO {oct} {"\btixonoclong {}"}

4599 MACRO {nov} {"\btixonnovlong {}"}

4600 MACRO {dec} {"\btixondeclong {}"}

4601 MACRO {acmcs} {"ACM Computing Surveys"}

4602 MACRO {acta} {"Acta Informatica"}

4603 MACRO {cacm} {"Communications of the ACM"}

4604 MACRO {ibmjrd} {"IBM Journal of Research and Development"}

4605 MACRO {ibmsj} {"IBM Systems Journal"}

4606 MACRO {ieeese} {"IEEE Transactions on Software Engineering"}

4607 MACRO {ieeetc} {"IEEE Transactions on Computers"}

4608 MACRO {ieeetcad}

4609 {"IEEE Transactions on Computer-Aided Design of Integrated Circuits"}

4610 MACRO {ipl} {"Information Processing Letters"}

4611 MACRO {jacm} {"Journal of the ACM"}

4612 MACRO {jcss} {"Journal of Computer and System Sciences"}

4613 MACRO {scp} {"Science of Computer Programming"}

4614 MACRO {sicomp} {"SIAM Journal on Computing"}

4615 MACRO {tocs} {"ACM Transactions on Computer Systems"}

4616 MACRO {tods} {"ACM Transactions on Database Systems"}

4617 MACRO {tog} {"ACM Transactions on Graphics"}

4618 MACRO {toms} {"ACM Transactions on Mathematical Software"}

4619 MACRO {toois} {"ACM Transactions on Office Information Systems"}

4620 MACRO {toplas} {"ACM Transactions on Programming Languages and Systems"}

4621 MACRO {tcs} {"Theoretical Computer Science"}

4622 \langle /bststd&!bstshort \rangle

4623 \langle *bststd & bstshort \rangle

4624 MACRO {jan} {"\btixonjanshort {}.}"}

4625 MACRO {feb} {"\btixonfebshort {}.}"}

4626 MACRO {mar} {"\btixonmarshort {}.}"}

4627 MACRO {apr} {"\btixonaprshort {}.}"}

4628 MACRO {may} {"\btixonmayshort {}.}"}

4629 MACRO {jun} {"\btixonjunshort {}.}"}

4630 MACRO {jul} {"\btixonjulshort {}.}"}

4631 MACRO {aug} {"\btixonaugshort {}.}"}

4632 MACRO {sep} {"\btixonsepsort {}.}"}

4633 MACRO {oct} {"\btixonocshort {}.}"}

```

4634 MACRO {nov} {"\btixonnovshort {."}"}
4635 MACRO {dec} {"\btxmondecshort {."}"}
4636 MACRO {acmcs} {"ACM Comput.\ Surv.{."}"}
4637 MACRO {acta} {"Acta Inf.{."}"}
4638 MACRO {cacm} {"Commun. ACM"}
4639 MACRO {ibmjrd} {"IBM J.~Res.\ Dev.{."}"}
4640 MACRO {ibmsj} {"IBM Syst.~J.{."}"}
4641 MACRO {ieeese} {"IEEE Trans.\ Softw.\ Eng.{."}"}
4642 MACRO {ieeetc} {"IEEE Trans.\ Comput.{."}"}
4643 MACRO {ieeetcad}
4644 {"IEEE Trans.\ Comput.-Aided Design Integrated Circuits"}
4645 MACRO {ipl} {"Inf.\ Process.\ Lett.{."}"}
4646 MACRO {jacm} {"J.~ACM"}
4647 MACRO {jcss} {"J.~Comput.\ Syst.\ Sci.{."}"}
4648 MACRO {scp} {"Sci.\ Comput.\ Programming"}
4649 MACRO {sicmp} {"SIAM J.~Comput.{."}"}
4650 MACRO {tocs} {"ACM Trans.\ Comput.\ Syst.{."}"}
4651 MACRO {tods} {"ACM Trans.\ Database Syst.{."}"}
4652 MACRO {tog} {"ACM Trans.\ Gr.{."}"}
4653 MACRO {toms} {"ACM Trans.\ Math.\ Softw.{."}"}
4654 MACRO {toois} {"ACM Trans.\ Office Inf.\ Syst.{."}"}
4655 MACRO {toplas} {"ACM Trans.\ Prog.\ Lang.\ Syst.{."}"}
4656 MACRO {tcs} {"Theoretical Comput.\ Sci.{."}"}
4657 </bststd & bstshort>

Action.
4658 <*bststd>
4659
4660 READ
4661
4662 </bststd>

```

10.1.2 Sorted bibliographies

This code is only used for sorted bibliographies.

```

4663 <*bststd&!bstunsorted>
4664 FUNCTION {sortify}
4665 { purify$
4666   "l" change.case$
4667 }
4668
4669 INTEGERS { len }
4670
4671 FUNCTION {chop.word}
4672 { 's :=
4673   'len :=
4674   s #1 len substring$ =
4675     { s len #1 + global.max$ substring$ }
4676     's

```

```

4677   if$
4678 }
4679
4680 </bststd&!bstunsorted>
4681 <*bststd & bstalpha>

4682 INTEGERS { et.al.char.used }
4683
4684 FUNCTION {initialize.et.al.char.used}
4685 { #0 'et.al.char.used :=
4686 }
4687
4688 EXECUTE {initialize.et.al.char.used}
4689
4690 FUNCTION {format.lab.names}
4691 { 's :=
4692   s num.names$ 'numnames :=
4693   numnames #1 >
4694     { numnames #4 >
4695     { #3 'namesleft := }
4696     { numnames 'namesleft := }
4697       if$
4698       #1 'nameptr :=
4699       ""
4700     { namesleft #0 > }
4701     { nameptr numnames =
4702       { s nameptr "{ff }{vv }{ll}{ jj}" format.name$ "others" =
4703       { "{\etalchar{+}}" *
4704       #1 'et.al.char.used :=
4705       }
4706       { s nameptr "{v{} }{l{} }" format.name$ * }
4707       if$
4708       }
4709       { s nameptr "{v{} }{l{} }" format.name$ * }
4710       if$
4711       nameptr #1 + 'nameptr :=
4712       namesleft #1 - 'namesleft :=
4713     }
4714     while$
4715     numnames #4 >
4716     { "{\etalchar{+}}" *
4717     #1 'et.al.char.used :=
4718     }
4719     'skip$
4720     if$
4721     }
4722     { s #1 "{v{} }{l{} }" format.name$
4723     duplicate$ text.length$ #2 <
4724     { pop$ s #1 "{ll}" format.name$ #3 text.prefix$ }

```

```

4725 'skip$
4726     if$
4727     }
4728 if$
4729 }
4730
4731 FUNCTION {author.key.label}
4732 { author empty$
4733     { key empty$
4734     { cite$ #1 #3 substring$ }
4735     { key #3 text.prefix$ }
4736     if$
4737     }
4738     { author format.lab.names }
4739 if$
4740 }
4741
4742 FUNCTION {author.editor.key.label}
4743 { author empty$
4744     { editor empty$
4745     { key empty$
4746         { cite$ #1 #3 substring$ }
4747         { key #3 text.prefix$ }
4748     if$
4749     }
4750     { editor format.lab.names }
4751     if$
4752     }
4753     { author format.lab.names }
4754 if$
4755 }
4756
4757 FUNCTION {author.key.organization.label}
4758 { author empty$
4759     { key empty$
4760     { organization empty$
4761         { cite$ #1 #3 substring$ }
4762         { "The " #4 organization chop.word #3 text.prefix$ }
4763     if$
4764     }
4765     { key #3 text.prefix$ }
4766     if$
4767     }
4768     { author format.lab.names }
4769 if$
4770 }
4771
4772 FUNCTION {editor.key.organization.label}

```

```

4773 { editor empty$
4774   { key empty$
4775   { organization empty$
4776     { cite$ #1 #3 substring$ }
4777     { "The " #4 organization chop.word #3 text.prefix$ }
4778     if$
4779   }
4780   { key #3 text.prefix$ }
4781     if$
4782   }
4783   { editor format.lab.names }
4784   if$
4785 }
4786
4787 FUNCTION {calc.label}
4788 { type$ "book" =
4789   type$ "inbook" =
4790   or
4791   'author.editor.key.label
4792   { type$ "proceedings" =
4793   'editor.key.organization.label
4794   { type$ "manual" =
4795     'author.key.organization.label
4796     'author.key.label
4797     if$
4798   }
4799     if$
4800   }
4801   if$
4802   duplicate$
4803   year field.or.null purify$ #-1 #2 substring$
4804   *
4805   'label :=
4806   year field.or.null purify$ #-1 #4 substring$
4807   *
4808   sortify 'sort.label :=
4809 }
4810
4811 </bststd & bstalpha>
4812 <*bststd&!bstunsorted>
4813 FUNCTION {sort.format.names}
4814 { 's :=
4815   #1 'nameptr :=
4816   ""
4817   s num.names$ 'numnames :=
4818   numnames 'namesleft :=
4819     { namesleft #0 > }
4820     { nameptr #1 >
4821       { " " * }

```

```

4822         'skip$
4823         if$
4824 </bststd&!bstunsorted>

4825 <*bststd&!bstshort&!bstunsorted>
4826         s nameptr "{11{ }}{ ff{ }}{vv{ }}{ jj{ }}" format.name$ 't :=
4827 </bststd&!bstshort&!bstunsorted>
4828 <*bststd & bstshort&!bstunsorted>
4829         s nameptr "{11{ }}{ f{ }}{vv{ }}{ jj{ }}" format.name$ 't :=
4830 </bststd & bstshort&!bstunsorted>
4831 <*bststd&!bstunsorted>
4832         nameptr numnames = t "others" = and
4833         { "et al" * }
4834         { t sortify * }
4835         if$
4836         nameptr #1 + 'nameptr :=
4837         namesleft #1 - 'namesleft :=
4838     }
4839     while$
4840 }
4841

4842 FUNCTION {sort.format.title}
4843 { 't :=
4844     "A " #2
4845     "An " #3
4846     "The " #4 t chop.word
4847     chop.word
4848     chop.word
4849     sortify
4850     #1 global.max$ substring$
4851 }
4852

4853 FUNCTION {author.sort}
4854 { author empty$
4855     { key empty$
4856         { "to sort, need author or key in " cite$ * warning$
4857         ""
4858         }
4859         { key sortify }
4860     } if$
4861 }
4862 { author sort.format.names }
4863 if$
4864 }
4865

4866 FUNCTION {author.editor.sort}
4867 { author empty$
4868     { editor empty$
4869         { key empty$

```

```

4870         { "to sort, need author, editor, or key in " cite$ * warning$
4871         ""
4872         }
4873         { key sortify }
4874     if$
4875     }
4876     { editor sort.format.names }
4877 if$
4878 }
4879 { author sort.format.names }
4880 if$
4881 }
4882
4883 FUNCTION {author.organization.sort}
4884 { author empty$
4885   { organization empty$
4886     { key empty$
4887       { "to sort, need author, organization, or key in " cite$ * warning$
4888       ""
4889       }
4890       { key sortify }
4891     if$
4892     }
4893     { "The " #4 organization chop.word sortify }
4894   if$
4895   }
4896   { author sort.format.names }
4897 if$
4898 }
4899
4900 FUNCTION {editor.organization.sort}
4901 { editor empty$
4902   { organization empty$
4903     { key empty$
4904       { "to sort, need editor, organization, or key in " cite$ * warning$
4905       ""
4906       }
4907       { key sortify }
4908     if$
4909     }
4910     { "The " #4 organization chop.word sortify }
4911   if$
4912   }
4913   { editor sort.format.names }
4914 if$
4915 }
4916
4917 FUNCTION {presort}
4918 {

```

```

4919 </bststd&!bstunsorted>
4920 <*bststd & bstalpha>
4921   calc.label
4922   sort.label
4923   "      "
4924   *
4925 </bststd & bstalpha>
4926 <*bststd&!bstunsorted>
4927   type$ "book" =
4928   type$ "inbook" =
4929   or
4930     'author.editor.sort
4931     { type$ "proceedings" =
4932       'editor.organization.sort
4933       { type$ "manual" =
4934         'author.organization.sort
4935         'author.sort
4936         if$
4937       }
4938     }
4939   }
4940   if$
4941 </bststd&!bstunsorted>
4942 <bstd & bstalpha> *
4943 <*bststd&!bstunsorted>
4944   "      "
4945   *
4946   year field.or.null sortify
4947   *
4948   "      "
4949   *
4950   title field.or.null
4951   sort.format.title
4952   *
4953   #1 entry.max$ substring$
4954   'sort.key$ :=
4955 }
4956
4957 ITERATE {presort}
4958
4959 SORT
4960
4961 </bststd&!bstunsorted>
4962 <*bststd&!bstalpha>
4963 STRINGS { longest.label }
4964
4965 INTEGERS { number.label longest.label.width }
4966

```



```

4967 FUNCTION {initialize.longest.label}
4968 { "" 'longest.label :=
4969   #1 'number.label :=
4970   #0 'longest.label.width :=
4971 }
4972
4973 FUNCTION {longest.label.pass}
4974 { number.label int.to.str$ 'label :=
4975   number.label #1 + 'number.label :=
4976   label width$ longest.label.width >
4977   { label 'longest.label :=
4978     label width$ 'longest.label.width :=
4979   }
4980   'skip$
4981   if$
4982 }
4983 </bststd&!bstalpha>
4984 <*bststd & bstalpha>
4985 STRINGS { longest.label last.sort.label next.extra }
4986
4987 INTEGERS { longest.label.width last.extra.num }
4988
4989 FUNCTION {initialize.longest.label}
4990 { "" 'longest.label :=
4991   #0 int.to.chr$ 'last.sort.label :=
4992   "" 'next.extra :=
4993   #0 'longest.label.width :=
4994   #0 'last.extra.num :=
4995 }
4996
4997 FUNCTION {forward.pass}
4998 { last.sort.label sort.label =
4999   { last.extra.num #1 + 'last.extra.num :=
5000     last.extra.num int.to.chr$ 'extra.label :=
5001   }
5002   { "a" chr.to.int$ 'last.extra.num :=
5003     "" 'extra.label :=
5004     sort.label 'last.sort.label :=
5005   }
5006   if$
5007 }
5008
5009 FUNCTION {reverse.pass}
5010 { next.extra "b" =
5011   { "a" 'extra.label := }
5012   'skip$
5013   if$

```

```

5014 label extra.label * 'label :=
5015 label width$ longest.label.width >
5016 { label 'longest.label :=
5017   label width$ 'longest.label.width :=
5018 }
5019 'skip$
5020 if$
5021 extra.label 'next.extra :=
5022 }
5023 </bststd & bstalpha>

```

10.1.3 Generic code

```

5024 <*bststd>
5025
5026 EXECUTE {initialize.longest.label}
5027
5028 </bststd>
5029 <bststd &!bstalpha>ITERATE {longest.label.pass}
5030 <bststd & bstalpha>ITERATE {forward.pass}
5031 <bststd & bstalpha>REVERSE {reverse.pass}
5032 <*bststd>
5033
5034 FUNCTION {begin.bib}
5035 {
5036 </bststd>
5037 <*bststd & bstalpha>
5038 et.al.char.used
5039 { "\newcommand{\etalchar}[1]{$^\{#1\}$" write$ newline$ }
5040 'skip$
5041 if$
5042 </bststd & bstalpha>
5043 <*bststd>
5044 preamble$ empty$
5045 'skip$
5046 { preamble$ write$ newline$ }
5047 if$
5048 "\begin{thebibliography}{ longest.label * }" * write$ newline$
5049 " \providebibliographyfont{name}{}%" write$ newline$
5050 " \providebibliographyfont{lastname}{}%" write$ newline$
5051 " \providebibliographyfont{title}{\emph}%" write$ newline$
5052 " \providebibliographyfont{jtitle}{\btxtitlefont}%" write$ newline$
5053 " \providebibliographyfont{etal}{\emph}%" write$ newline$
5054 " \providebibliographyfont{journal}{}%" write$ newline$
5055 " \providebibliographyfont{volume}{}%" write$ newline$
5056 " \providebibliographyfont{ISBN}{\MakeUppercase}%" write$ newline$
5057 " \providebibliographyfont{ISSN}{\MakeUppercase}%" write$ newline$
5058 " \providebibliographyfont{url}{\url}%" write$ newline$
5059 " \providebibliographyfont{numeral}{}%" write$ newline$

```

```

5060 " \expandafter\btselectlanguage\expandafter {\bt fallbacklanguage}"
5061 write$ newline$
5062 }
5063
5064 EXECUTE {begin.bib}
5065
5066 EXECUTE {init.state.consts}
5067
5068 ITERATE {call.type$}
5069
5070 FUNCTION {end.bib}
5071 { newline$
5072 "\end{thebibliography}" write$ newline$
5073 }
5074
5075 EXECUTE {end.bib}
5076 </bststd>

```

10.2 AMS styles

The following BIB_TEX styles are derived from the AMS BIB_TEX -style-files by the American Mathematical Society. For example, see ‘amsplain.bst’ for more documentation about the original.

```

5077 <*bstams>
5078 ENTRY
5079 { address
5080   annote
5081   annotelanguage
5082   author
5083   booktitle
5084   chapter
5085   edition
5086   editor
5087   howpublished
5088   institution
5089   isbn
5090   issn
5091   journal
5092   key
5093   language
5094   month
5095   mrnumber
5096   note
5097   number
5098   organization
5099   pages
5100   publisher
5101   school

```

```

5102     series
5103     title
5104     type
5105     url
5106     urldate
5107     volume
5108     year
5109 }
5110 {}
5111 { label bysame }
5112
5113
5114 INTEGERS { output.state before.all mid.sentence }
5115
5116 FUNCTION {init.state.consts}
5117 { #0 'before.all :=
5118   #1 'mid.sentence :=
5119 }
5120
5121 STRINGS { s t language.state change.temp}
5122
5123 FUNCTION {shows}
5124 { duplicate$ ":::: " swap$ * " " * top$
5125 }
5126
5127 FUNCTION {showstack}
5128 {"STACK=====
5129 top$
5130 stack$
5131 "ENDSTACK=====
5132 top$
5133 }
5134
5135 FUNCTION {not}
5136 { { #0 }
5137   { #1 }
5138   if$
5139 }
5140
5141 FUNCTION {and}
5142 { 'skip$
5143   { pop$ #0 }
5144   if$
5145 }
5146
5147 FUNCTION {or}
5148 { { pop$ #1 }
5149   'skip$
5150   if$
5151 }

```

```

5152
5153 FUNCTION {language.change.case}
5154 {
5155   'change.temp :=
5156   't :=
5157   "\btixifchangepcase {"
5158   t change.temp change.case$ *
5159   "}{ " *
5160   t *
5161   "}" *
5162 }
5163
5164 FUNCTION {field.or.null}
5165 { duplicate$ empty$
5166   { pop$ "" }
5167   'skip$
5168   if$
5169 }
5170
5171 FUNCTION {namefont}
5172 { duplicate$ empty$
5173   { pop$ "" }
5174   { "\btinamefont {" swap$ * "}" * }
5175   if$
5176 }
5177
5178 FUNCTION {lastnamefont}
5179 { duplicate$ empty$
5180   { pop$ "" }
5181   { "\btxlastnamefont {" swap$ * "}" * }
5182   if$
5183 }
5184
5185 FUNCTION {titlefont}
5186 { duplicate$ empty$
5187   { pop$ "" }
5188   { "\btxttitlefont {" swap$ * "}" * }
5189   if$
5190 }
5191
5192 FUNCTION {jtitlefont}
5193 { duplicate$ empty$
5194   { pop$ "" }
5195   { "\btxjtitlefont {" swap$ * "}" * }
5196   if$
5197 }
5198
5199 FUNCTION {journalfont}

```

```

5200 { duplicate$ empty$
5201   { pop$ "" }
5202   { "\btjournalfont {" swap$ * "}" * }
5203   if$
5204 }
5205
5206 FUNCTION {publisherfont}
5207 { duplicate$ empty$
5208   { pop$ "" }
5209   { "\btxpublisherfont {" swap$ * "}" * }
5210   if$
5211 }
5212
5213 FUNCTION {volumefont}
5214 { duplicate$ empty$
5215   { pop$ "" }
5216   { "\btxvolumefont {" swap$ * "}" * }
5217   if$
5218 }
5219
5220 FUNCTION {etalfont}
5221 { duplicate$ empty$
5222   { pop$ "" }
5223   { "\btxetalfont {" swap$ * "}" * }
5224   if$
5225 }
5226

```

n.dashify is used to make sure page ranges get the T_EX code (two hyphens) for en-dashes.

```

5227 FUNCTION {n.dashify}
5228 { 't :=
5229   ""
5230   { t empty$ not }
5231   { t #1 #1 substring$ "-" =
5232     { t #1 #2 substring$ "--" = not
5233       { "-" *
5234         t #2 global.max$ substring$ 't :=
5235       }
5236       { { t #1 #1 substring$ "-" = }
5237         { "-" *
5238           t #2 global.max$ substring$ 't :=
5239         }
5240       while$
5241     }
5242     if$
5243   }
5244   { t #1 #1 substring$ *
5245     t #2 global.max$ substring$ 't :=
5246   }

```

```

5247     if$
5248   }
5249   while$
5250 }
5251

```

`tie.or.space.connect` connects two items with a ~ if the second item is less than 3 letters long, otherwise it just puts an ordinary space.

```

5252 FUNCTION {tie.or.space.connect}
5253 { duplicate$ text.length$ #3 <
5254   { "~" }
5255   { "\ " }
5256   if$
5257   swap$ * *
5258 }
5259
5260 FUNCTION {add.space.if.necessary}
5261 { duplicate$ "" =
5262   'skip$
5263   { "\ " * }
5264   if$
5265 }
5266

```

`either.or.check` gives a warning if two mutually exclusive fields were used in the database.

```

5267 FUNCTION {either.or.check}
5268 { empty$
5269   'pop$
5270   { "can't use both " swap$ * " fields in " * cite$ * warning$ }
5271   if$
5272 }
5273

```

`output.nonnull` is called by `output`.

```

5274 FUNCTION {output.nonnull}

```

remove the top item from the stack because it's in the way.

```

5275 { 's :=
5276   output.state mid.sentence =
5277   { ", " * write$ }

```

Otherwise, if we're at the beginning of a bibitem,

```

5278   { output.state before.all =
5279     just write out the top item from the stack;
5279     'write$

```

and the last alternative is that we're at the end of the current bibitem, so we add a period to the top stack item and write it out.

```

5280     { add.period$ " " * write$ }

```

```

5281     if$
5282     mid.sentence 'output.state :=
5283   }
5284   if$

```

Put the top item back on the stack that we removed earlier.

```

5285   s
5286 }
5287

```

Output checks to see if the stack top is empty; if not, it calls output.nonnull to write it out.

```

5288 FUNCTION {output}
5289 { duplicate$ empty$
5290   'pop$
5291   'output.nonnull
5292   if$
5293 }
5294

```

Standard warning message for a missing or empty field. For the user we call any such field 'missing' without respect to the distinction made by BibT_EX between missing and empty.

```

5295 FUNCTION {missing.warning}
5296 { "missing " swap$ * " in " * cite$ * warning$ }
5297

```

output.check is like output except that it gives a warning on-screen if the given field in the database entry is empty. t is the field name.

```

5298 FUNCTION {output.check}
5299 { 't :=
5300   duplicate$ empty$
5301   { pop$ t missing.warning }
5302   'output.nonnull
5303   if$
5304 }
5305
5306 FUNCTION {output.bibitem}
5307 { newline$

```

If no language is given, fall back to the language that has been active at \begin{document}. For BibT_EX, this language gets the name nolanguage.

```

5308   language empty$
5309   { "empty language in " cite$ * warning$
5310     language.state "nolanguage" =
5311     'skip$
5312     {
5313       "\expandafter\btselectlanguage\expandafter {"
5314       "\bt fallbacklanguage}" * write$
5315       newline$
5316     }

```



```

5317         if$
5318         "nolanguage" 'language.state :=
5319     }
5320     { language.state language =
5321         'skip$
5322         { "\btxselectlanguage {" language * "}" * write$
5323             newline$
5324         }
5325         if$
5326         language 'language.state :=
5327     }
5328     if$
5329     "\bibitem {" cite$ * "}" * write$
5330     newline$

```

This empty string is the first thing that will be written the next time `write$` is called. Done this way because each item is saved on the stack until we find out what punctuation should be added after it. Therefore we need an empty first item.

```

5331     ""
5332     before.all 'output.state :=
5333 }
5334
5335 FUNCTION {output.nonempty.mrnumber}
5336 { duplicate$ missing$
5337     { pop$ "" }
5338     'skip$
5339     if$
5340     duplicate$ empty$
5341     'pop$
5342     { " \MR{" swap$ * "}" * write$ }
5343     if$
5344 }
5345
5346 FUNCTION {fin.entry}
5347 { add.period$
5348     write$
5349     mrnumber output.nonempty.mrnumber
5350     newline$
5351 }
5352

```

Removed `new.block`, `new.block.checka`, `new.block.checkb`, `new.sentence`, `new.sentence.checka`, and `new.sentence.checkb` functions here, since they don't seem to be needed in the AMS style. Also moved some real basic functions like 'and' and 'or' earlier in the file.

```

5353 INTEGERS { nameptr namesleft numnames }
5354

```

The extra section to write out a language field was added for `babamspl.bst`. Not present in `babplain.bst`.

```

5355 FUNCTION {format.language}
5356 { language empty$
5357   { "" }
5358   { "\btprintamslanguage{\btlanguage { " language * "}} " * }
5359   if$
5360 }
5361

```

This version of format.names puts names in the format “First von Last, Jr.” (i.e., first name first, no abbreviating to initials).

```

5362 FUNCTION {format.names}
5363 { 's :=
5364   #1 'nameptr :=
5365   s num.names$ 'numnames :=
5366   numnames 'namesleft :=
5367   { namesleft #0 > }
5368   {
5369     s nameptr "{ff{\btxfnamespacelong }~}{vv~}" format.name$
5370     s nameptr "{ll}" format.name$ lastnamefont *
5371     s nameptr "{, jj}" format.name$ * 't :=
5372     nameptr #1 >
5373     { namesleft #1 >
5374       { ", " * t namefont * }
5375       { numnames #2 >
5376         { "\btxandcomma {}" * }
5377         'skip$
5378         if$
5379         s nameptr "{ff~}{vv~}{ll}{, jj}" format.name$ "others" =
5380         { " " * "\btxetalshort {}" etalfont * }
5381         { " \btxandlong {} " * t namefont * }
5382         if$
5383       }
5384       if$
5385     }
5386     {
5387       s nameptr "{ff{\btxfnamespacelong }~}{vv~}" format.name$
5388       s nameptr "{ll}" format.name$ lastnamefont *
5389       s nameptr "{, jj}" format.name$ * namefont
5390     }
5391     if$
5392     nameptr #1 + 'nameptr :=
5393     namesleft #1 - 'namesleft :=
5394   }
5395   while$
5396 }
5397
5398 FUNCTION {format.authors}
5399 { author empty$
5400   { "" }
5401   { bysame "\bysame" =

```

```

5402         {"\bysame"}
5403         { author format.names }
5404     if$
5405 }
5406 if$
5407 }
5408
5409 FUNCTION {format.editors}
5410 { editor empty$
5411     { "" }
5412     { editor format.names
5413         editor num.names$ #1 >
5414         { "\ (\btxedsitorsshort {.})" * }
5415         { "\ (\btxedsitorsshort {.})" * }
5416         if$
5417     }
5418     if$
5419 }
5420
5421 FUNCTION {format.nonauthor.editors}
5422 { editor empty$
5423     { "" }
5424     { editor format.names
5425         editor num.names$ #1 >
5426         { ", \btxedsitorsshort {.}" * }
5427         { ", \btxedsitorsshort {.}" * }
5428         if$
5429     }
5430     if$
5431 }
5432
5433 FUNCTION {format.title}
5434 { title empty$
5435     { "" }
5436     { title "t" language.change.case titlefont }
5437     if$
5438 }
5439
5440 FUNCTION {format.jtitle}
5441 { title empty$
5442     { "" }
5443     { title "t" language.change.case jtitlefont }
5444     if$
5445 }
5446
5447 FUNCTION {format.journal.vol.year}
5448 { journal empty$
5449     { "journal name" missing.warning ""}
5450     { journal journalfont }
5451     if$

```

```

5452 volume empty$
5453 'skip$
5454 { " " * volume volumefont * }
5455 if$
5456 year empty$
5457 { "year" missing.warning }
5458 { " (" * year * ")" * }
5459 if$
5460 }
5461

```

For formatting the issue number for a journal article.

```

5462 FUNCTION {format.number}
5463 { number empty$
5464   { "" }
5465   { "\bttnumbershort {:.}~" number * }
5466   if$
5467 }
5468

```

For formatting miscellaneous dates

```

5469 FUNCTION {format.date}
5470 { year empty$
5471   { month empty$
5472     { "" }
5473     { "there's a month but no year in " cite$ * warning$
5474       month
5475     }
5476     if$
5477   }
5478   { month empty$
5479     'year
5480     { month "\ " * year * }
5481     if$
5482   }
5483   if$
5484 }
5485

```

The volume, series and number information is sort of tricky. This code handles it as follows: If the series is present, and the volume, but not the number, then we do "*Book title*, Series Name, vol. 000" If the series is present, and the number, but not the volume, then we do "*Book title*, Series Name, no. 000" If the series is present, and both number and volume, then we do "*Book title*, vol. XX, Series Name, no. 000" Finally, if the series is absent, then we do "*Book title*, vol. XX" or "*Book title*, no. 000" and if both volume and number are present, give a warning message.

```

5486 FUNCTION {format.bookvolume.series.number}
5487 { volume empty$
5488   { "" % Push the empty string as a placeholder in case everything else

```

```

5489         % is empty too.
5490     series empty$
5491     'skip$
5492     { pop$ series } % if series is not empty put in stack
5493 if$
5494     number empty$
5495     'skip$
5496     { duplicate$ empty$ % if no preceding material,
5497       'skip$           % do nothing, otherwise
5498       { ", " * }       % add a comma and space to separate.
5499     if$
5500     "\btxnnumbershort {." number tie.or.space.connect * % add the number information
5501   }
5502 if$
5503 }

```

If the volume is NOT EMPTY:

```

5504 { "\btxvolumeshort {." volume tie.or.space.connect % vol. XX
5505   number empty$
5506   { series empty$
5507     'skip$
5508     { series ", " * swap$ *} % Series Name, vol. XX
5509   if$
5510   }
5511   { series empty$
5512     { "can't use both volume and number if series info is missing"
5513       warning$
5514       "in BibTeX entry type '" type$ * "' * top$
5515     }
5516     { ", " * series * ", \btxnnumbershort {." * number tie.or.space.connect }
5517   if$
5518   }
5519 if$
5520 }
5521 if$
5522
5523 } % end of format.bookvolume.series.number
5524

```

`format.inproc.title.where.editors` is used by `inproceedings` entry types. No case changing or emphasizing for the title. We want initial caps, roman. We add parentheses around the address (place where conference was held). Likewise we add parentheses around the editors' names.

```

5525 FUNCTION {format.inproc.title.address.editors}
5526 { booktitle empty$
5527   { "" }
5528   { booktitle
5529     address empty$
5530     'skip$
5531     { add.space.if.necessary "(" * address * ")" * }

```

```

5532     if$
5533     editor empty$
5534     'skip$
5535     { add.space.if.necessary "(" * format.nonauthor.editors * ")" * }
5536     if$
5537   }
5538   if$
5539 }
5540

```

`format.incoll.title.editors` is similar to `format.inproc...` but omits the address. For collections that are not proceedings volumes.

```

5541 FUNCTION {format.incoll.title.editors}
5542 { booktitle empty$
5543   { "" }
5544   { editor empty$
5545     { booktitle }
5546     { booktitle
5547       add.space.if.necessary "(" * format.nonauthor.editors * ")" *
5548     }
5549     if$
5550   }
5551   if$
5552 }
5553
5554 FUNCTION {format.edition}
5555 { edition empty$
5556   { "" }
5557   {
5558     output.state mid.sentence =
5559     { edition "l" change.case$ }
5560     { edition "t" change.case$ }
5561     if$
5562     "\btXnumeralshort {" swap$ *
5563     "~\btXeditionsshort {." *
5564   }
5565   if$
5566 }
5567
5568 FUNCTION {format.isbn}
5569 { isbn empty$
5570   { "" }
5571   { "\mbox{\btXISBN~\btXISBNfont {" isbn * "}}" * }
5572   if$
5573 }
5574
5575 FUNCTION {format.issn}
5576 { issn empty$
5577   { "" }
5578   { "\mbox{\btXISSN~\btXISSNfont {" issn * "}}" * }

```

```

5579   if$
5580 }
5581
5582 FUNCTION {format.url}
5583 { url empty$
5584   { "" }
5585   {
5586     urldate empty$
5587     { "{\latintext \btxurlfont{" url * "}}" * }
5588     {
5589       "{\latintext \btxurlfont{" url * "}}%" *
5590       newline$ output
5591       "\btxurldatecomment {\btxkeywordlanguage {\btxurldatefont{"
5592         urldate * "}}}" *
5593     }
5594     if$
5595   }
5596   if$
5597 }

```

Format annotations:

```

5598 FUNCTION {write.annotate}
5599 { annotate empty$
5600   'skip$
5601   {
5602     annotelanguage empty$
5603     { "\btxkeywordlanguage {" }
5604     { "{\selectlanguage {" annotelanguage * "}" * }
5605     if$
5606     "\btxannotation {" * annotate * "}" *
5607     write$ newline$
5608   }
5609   if$
5610 }
5611
5612 INTEGERS { multiresult }
5613
5614 FUNCTION {multi.page.check}
5615 { 't :=
5616   #0 'multiresult :=
5617   { multiresult not
5618     t empty$ not
5619     and
5620   }
5621   { t #1 #1 substring$
5622     duplicate$ "-" =
5623     swap$ duplicate$ "," =
5624     swap$ "+" =
5625     or or
5626     { #1 'multiresult := }

```

```

5627         { t #2 global.max$ substring$ 't := }
5628         if$
5629     }
5630     while$
5631     multiresult
5632 }
5633
5634 FUNCTION {format.pages}
5635 { pages empty$
5636     { "" }
5637     { pages n.dashify }
5638     if$
5639 }
5640
5641 FUNCTION {format.book.pages}
5642 { pages empty$
5643     { "" }
5644     { pages multi.page.check
5645         { "\btXPagesshort {:.}~" pages n.dashify * }
5646         { "\btXPageshort {:.}~" pages * }
5647         if$
5648     }
5649     if$
5650 }
5651
5652 FUNCTION {format.chapter.pages}
5653 { chapter empty$
5654     'format.book.pages
5655     { type empty$
5656         { "\btXChaptershort {:.}~" }
5657         { type "l" language.change.case " " * }
5658         if$
5659         chapter *
5660         pages empty$
5661         'skip$
5662         { ", " * format.book.pages * }
5663         if$
5664     }
5665     if$
5666 }
5667
5668 FUNCTION {empty.misc.check}
5669 { author empty$ title empty$ howpublished empty$
5670     month empty$ year empty$ note empty$
5671     and and and and and
5672     key empty$ not and
5673     { "all relevant fields are empty in " cite$ * warning$ }
5674     'skip$
5675     if$
5676 }

```



```

5677
5678 FUNCTION {format.thesis.type}
5679 { type empty$
5680   'skip$
5681   { pop$
5682     type "t" language.change.case
5683   }
5684   if$
5685 }
5686
5687 FUNCTION {format.tr.number}
5688 { type empty$
5689   { "\Btxtechrepsort {}" }
5690   'type
5691   if$
5692   number empty$
5693   { "t" language.change.case }
5694   { number tie.or.space.connect }
5695   if$
5696 }
5697

```

The `format.crossref` functions haven't been paid much attention at the present time (June 1990) and could probably use some work. MJD

```

5698 FUNCTION {format.article.crossref}
5699 { key empty$
5700   { journal empty$
5701     { "need key or journal for " cite$ * " to crossref " * crossref *
5702       warning$
5703       ""
5704     }
5705     { "\btxinshort {} " journal journalfont * }
5706     if$
5707   }
5708   { "\btxinshort {} " key * }
5709   if$
5710   " \cite{" * crossref * }" *
5711 }
5712
5713 FUNCTION {format.crossref.editor}
5714 { editor #1 "{vv~}{ll}" format.name$
5715   editor num.names$ duplicate$
5716   #2 >
5717   { pop$ " \btxetalshort {}" * }
5718   { #2 <
5719     'skip$
5720     { editor #2 "{ff }{vv }{ll}{ jj}" format.name$ "others" =
5721       { " \btxetalshort {}" * }
5722       { " \btxandlong {} " * editor #2 "{vv~}{ll}" format.name$ * }
5723     if$

```

```

5724     }
5725     if$
5726   }
5727   if$
5728 }
5729
5730 FUNCTION {format.book.crossref}
5731 { volume empty$
5732   { "empty volume in " cite$ * "'s crossref of " * crossref * warning$
5733     "\btxinserieslong {} "
5734   }
5735   { "\btxivolumeshort {}" volume tie.or.space.connect
5736     " \btxofserieslong {} " *
5737   }
5738   if$
5739   editor empty$
5740   editor field.or.null author field.or.null =
5741   or
5742   { key empty$
5743     { series empty$
5744       { "need editor, key, or series for " cite$ * " to crossref " *
5745         crossref * warning$
5746         "" *
5747       }
5748       { series * }
5749     }
5750   }
5751   { key * }
5752   if$
5753   }
5754   { format.crossref.editor * }
5755   if$
5756   " \cite{" * crossref * "}" *
5757 }
5758
5759 FUNCTION {format.incoll.inproc.crossref}
5760 { editor empty$
5761   editor field.or.null author field.or.null =
5762   or
5763   { key empty$
5764     { booktitle empty$
5765       { "need editor, key, or booktitle for " cite$ * " to crossref " *
5766         crossref * warning$
5767         ""
5768       }
5769       { "\btxinlong {} " * booktitle titlefont * }
5770     }
5771     if$
5772   }
5773   { "\btxinlong {} " key * }
5774   if$

```

```

5774     }
5775     { "\btxinlong {} " format.crossref.editor * }
5776 if$
5777 " \cite{" * crossref * "}" *
5778 }
5779

```

The main functions for each entry type.

journal, vol and year are formatted together because they are not separated by commas.

```

5780 FUNCTION {article}
5781 { output.bibitem
5782   format.authors "author" output.check
5783   format.jtitle "title" output.check
5784   crossref missing$
5785   { format.journal.vol.year output
5786     format.number output
5787     format.pages "pages" output.check
5788   }
5789   { format.article.crossref output.nonnull
5790     format.pages "pages" output.check
5791   }
5792   if$
5793   format.issn output
5794   format.url output
5795   format.language *
5796   note output
5797   fin.entry
5798   write.annote
5799 }
5800
5801 FUNCTION {book}
5802 { output.bibitem
5803   author empty$
5804   { format.editors "author and editor" output.check }
5805   { format.authors output.nonnull
5806     crossref missing$
5807     { "author and editor" editor either.or.check }
5808     'skip$
5809     if$
5810   }
5811   if$
5812   format.title "title" output.check
5813   format.edition output
5814   crossref missing$
5815   { format.bookvolume.series.number output
5816     publisher "publisher" output.check publisherfont
5817     address output
5818   }
5819   { format.book.crossref output.nonnull

```

```

5820     }
5821     if$
5822     format.date "year" output.check
5823     format.isbn output
5824     format.url output
5825     format.language *
5826     note output
5827     fin.entry
5828     write.annotate
5829 }
5830
5831 FUNCTION {booklet}
5832 { output.bibitem
5833   format.authors output
5834   format.title "title" output.check
5835   howpublished output
5836   address output
5837   format.date output
5838   format.url output
5839   note output
5840   fin.entry
5841   write.annotate
5842 }
5843
5844 FUNCTION {inbook}
5845 { output.bibitem
5846   author empty$
5847     { format.editors "author and editor" output.check }
5848     { format.authors output.nonnull
5849       crossref missing$
5850         { "author and editor" editor either.or.check }
5851         'skip$
5852       if$
5853     }
5854   if$
5855   format.title "title" output.check
5856   format.edition output
5857   crossref missing$
5858     { format.bookvolume.series.number output
5859       format.chapter.pages "chapter and pages" output.check
5860       publisher "publisher" output.check publisherfont
5861       address output
5862     }
5863     { format.chapter.pages "chapter and pages" output.check
5864       format.book.crossref output.nonnull
5865     }
5866   if$
5867   format.date "year" output.check
5868   format.isbn output
5869   format.url output

```

```

5870 format.language *
5871 note output
5872 fin.entry
5873 write.annotate
5874 }
5875
5876 FUNCTION {incollection}
5877 { output.bibitem
5878   format.authors "author" output.check
5879   format.title "title" output.check
5880   crossref missing$
5881     { format.incoll.title.editors "booktitle" output.check
5882       format.bookvolume.series.number output
5883       publisher "publisher" output.check publisherfont
5884       address output
5885       format.edition output
5886       format.date "year" output.check
5887     }
5888     { format.incoll.inproc.crossref output.nonnull
5889     }
5890   if$
5891   note output
5892   format.book.pages output
5893   format.isbn output
5894   format.url output
5895   format.language *
5896   fin.entry
5897   write.annotate
5898 }
5899
5900 FUNCTION {inproceedings}
5901 { output.bibitem
5902   format.authors "author" output.check
5903   format.title "title" output.check
5904   crossref missing$
5905     { format.inproc.title.address.editors "booktitle" output.check
5906       format.bookvolume.series.number output
5907       organization output
5908       publisher publisherfont output
5909       format.date "year" output.check
5910     }
5911     { format.incoll.inproc.crossref output.nonnull
5912     }
5913   if$
5914   note output
5915   format.book.pages output
5916   format.isbn output
5917   format.url output
5918   format.language *
5919   fin.entry

```

```

5920 write.annote
5921 }
5922
5923 FUNCTION {conference} { inproceedings }
5924
5925 FUNCTION {manual}
5926 { output.bibitem
5927   author empty$
5928     { organization empty$
5929       'skip$
5930       { organization output.nonnull
5931         address output
5932       }
5933     } if$
5934   }
5935   { format.authors output.nonnull }
5936 } if$
5937 format.title "title" output.check
5938 author empty$
5939   { organization empty$
5940     { address output }
5941     'skip$
5942   } if$
5943 }
5944 { organization output
5945   address output
5946 }
5947 if$
5948 format.edition output
5949 format.date output
5950 format.isbn output
5951 format.url output
5952 note output
5953 fin.entry
5954 write.annote
5955 }
5956
5957 FUNCTION {mastersthesis}
5958 { output.bibitem
5959   format.authors "author" output.check
5960   format.title "title" output.check
5961   "\btxmastthesis {" format.thesis.type output.nonnull
5962   school "school" output.check
5963   address output
5964   format.date "year" output.check
5965   format.url output
5966   note output
5967   format.book.pages output
5968   fin.entry
5969   write.annote

```

```

5970 }
5971
5972 FUNCTION {misc}
5973 { output.bibitem
5974   format.authors output
5975   format.title output
5976   howpublished output
5977   format.date output
5978   format.isbn output
5979   format.issn output
5980   format.url output
5981   note output
5982   format.book.pages output
5983   fin.entry
5984   write.annote
5985   empty.misc.check
5986 }
5987
5988 FUNCTION {phdthesis}
5989 { output.bibitem
5990   format.authors "author" output.check
5991   format.title "title" output.check
5992   "\btphdthesis {}" format.thesis.type output.nonnull
5993   school "school" output.check
5994   address output
5995   format.date "year" output.check
5996   format.isbn output
5997   format.url output
5998   note output
5999   format.book.pages output
6000   fin.entry
6001   write.annote
6002 }
6003
6004 FUNCTION {proceedings}
6005 { output.bibitem
6006   editor empty$
6007     { organization output }
6008     { format.editors output.nonnull }
6009   if$
6010   format.title "title" output.check
6011   format.bookvolume.series.number output
6012   address empty$
6013     { editor empty$
6014       'skip$
6015       { organization output }
6016     if$
6017     publisher publisherfont output
6018     format.date "year" output.check
6019   }

```

```

6020     { address output.nonnull
6021         editor empty$
6022         'skip$
6023         { organization output }
6024         if$
6025         publisher publisherfont output
6026         format.date "year" output.check
6027     }
6028 if$
6029 format.isbn output
6030 format.url output
6031 note output
6032 fin.entry
6033 write.annotate
6034 }
6035
6036 FUNCTION {techreport}
6037 { output.bibitem
6038   format.authors "author" output.check
6039   format.title "title" output.check
6040   format.tr.number output.nonnull
6041   institution "institution" output.check
6042   address output
6043   format.date "year" output.check
6044   format.isbn output
6045   format.url output
6046   note output
6047   fin.entry
6048   write.annotate
6049 }
6050
6051 FUNCTION {unpublished}
6052 { output.bibitem
6053   format.authors "author" output.check
6054   format.title "title" output.check
6055   format.url output
6056   note "note" output.check
6057   format.date output
6058   fin.entry
6059   write.annotate
6060 }
6061
6062 FUNCTION {default.type} { misc }
6063
6064 MACRO {jan} {"\btzmanlong {}}
6065 MACRO {feb} {"\btzmanfeblong {}}
6066 MACRO {mar} {"\btzmanmarlong {}}
6067 MACRO {apr} {"\btzmanaprlong {}}
6068 MACRO {may} {"\btzmanmaylong {}}
6069 MACRO {jun} {"\btzmanjunlong {}}

```



```

6070 MACRO {jul} {"\btixonjullong {}}"
6071 MACRO {aug} {"\btixonauglong {}}"
6072 MACRO {sep} {"\btixonseplong {}}"
6073 MACRO {oct} {"\btixonoclong {}}"
6074 MACRO {nov} {"\btixonovlong {}}"
6075 MACRO {dec} {"\btixondeclong {}}"
6076
6077 READ
6078
6079 FUNCTION {sortify}
6080 { purify$
6081   "1" language.change.case
6082 }
6083
6084 INTEGERS { len }
6085
6086 FUNCTION {chop.word}
6087 { 's :=
6088   'len :=
6089   s #1 len substring$ =
6090     { s len #1 + global.max$ substring$ }
6091     's
6092   if$
6093 }
6094
6095 FUNCTION {sort.format.names}
6096 { 's :=
6097   #1 'nameptr :=
6098   ""
6099   s num.names$ 'numnames :=
6100   numnames 'namesleft :=
6101     { namesleft #0 > }
6102     { nameptr #1 >
6103       { " " * }
6104       'skip$
6105       if$
6106       s nameptr "{vv{ } }{ll{ }}{ ff{ }}{ jj{ }}" format.name$ 't :=
6107       nameptr numnames = t "others" = and
6108       { "et al" * }
6109       { t sortify * }
6110       if$
6111       nameptr #1 + 'nameptr :=
6112       namesleft #1 - 'namesleft :=
6113     }
6114   while$
6115 }
6116
6117 FUNCTION {sort.format.title}
6118 { 't :=
6119   "A " #2

```

```

6120     "An " #3
6121     "The " #4 t chop.word
6122     chop.word
6123     chop.word
6124     sortify
6125     #1 global.max$ substring$
6126 }
6127
6128 FUNCTION {author.sort}
6129 { author empty$
6130   { key empty$
6131     { "to sort, need author or key in " cite$ * warning$
6132       ""
6133     }
6134     { key sortify }
6135     if$
6136   }
6137   { author sort.format.names }
6138   if$
6139 }
6140
6141 FUNCTION {author.editor.sort}
6142 { author empty$
6143   { editor empty$
6144     { key empty$
6145       { "to sort, need author, editor, or key in " cite$ * warning$
6146         ""
6147       }
6148       { key sortify }
6149       if$
6150     }
6151     { editor sort.format.names }
6152     if$
6153   }
6154   { author sort.format.names }
6155   if$
6156 }
6157
6158 FUNCTION {author.organization.sort}
6159 { author empty$
6160   { organization empty$
6161     { key empty$
6162       { "to sort, need author, organization, or key in " cite$ * warning$
6163         ""
6164       }
6165       { key sortify }
6166       if$
6167     }
6168     { "The " #4 organization chop.word sortify }
6169     if$

```

```

6170     }
6171     { author sort.format.names }
6172     if$
6173 }
6174
6175 FUNCTION {editor.organization.sort}
6176 { editor empty$
6177   { organization empty$
6178     { key empty$
6179       { "to sort, need editor, organization, or key in " cite$ * warning$
6180         ""
6181       }
6182       { key sortify }
6183     }
6184   }
6185   { "The " #4 organization chop.word sortify }
6186 }
6187 { editor sort.format.names }
6188 if$
6189 }
6190 }
6191
6192 FUNCTION {presort}
6193 { type$ "book" =
6194   type$ "inbook" =
6195   or
6196   'author.editor.sort
6197   { type$ "proceedings" =
6198     'editor.organization.sort
6199     { type$ "manual" =
6200       'author.organization.sort
6201       'author.sort
6202     }
6203   }
6204   if$
6205 }
6206 if$
6207 " "
6208 *
6209 year field.or.null sortify
6210 *
6211 " "
6212 *
6213 title field.or.null
6214 sort.format.title
6215 *
6216 #1 entry.max$ substring$
6217 'sort.key$ :=
6218 }
6219

```

```

6220 ITERATE {presort}
6221
6222 SORT
6223
6224 STRINGS { longest.label prev.author this.author }
6225
6226 INTEGERS { number.label longest.label.width }
6227
6228 FUNCTION {initialize.longest.label}
6229 { "" 'longest.label :=
6230   #1 'number.label :=
6231   #0 'longest.label.width :=
6232   "abcxyz" 'prev.author :=
6233   "" 'this.author :=
6234 }
6235
6236 FUNCTION {longest.label.pass}
6237 { number.label int.to.str$ 'label :=
6238   number.label #1 + 'number.label :=
6239   label width$ longest.label.width >
6240   { label 'longest.label :=
6241     label width$ 'longest.label.width :=
6242   }
6243   'skip$
6244   if$
6245   author empty$
6246   { editor empty$
6247     { "" }
6248     'editor
6249     if$
6250   }
6251   'author
6252   if$
6253   'this.author :=
6254   this.author prev.author =
6255   { "\bysame" 'bysame := }
6256   { "" 'bysame :=
6257     this.author "" =
6258     { "abcxyz" }
6259     'this.author
6260     if$
6261     'prev.author :=
6262   }
6263   if$
6264 }
6265
6266 EXECUTE {initialize.longest.label}
6267
6268 ITERATE {longest.label.pass}
6269

```

```

6270 FUNCTION {write.lines}
6271 { { duplicate$ "." = NOT }
6272   { write$ newline$ }
6273   while$
6274   pop$
6275 }
6276
6277 FUNCTION {begin.bib}
6278 { preamble$ empty$
6279   'skip$
6280   { preamble$ write$ newline$ }
6281   if$
6282   "\begin{thebibliography}{ longest.label * " } * write$ newline$
6283   " \providecommand{\bysame}{\leavevmode\hbox to3em{\hrulefill}\thinspace}"
6284   write$ newline$
6285   " \providecommand{\MR}{\relax\ifhmode\unskip\space\fi MR }"
6286   write$ newline$
6287   " % \MRhref is called by the amsart/book/proc definition of \MR."
6288   write$ newline$
6289   " \providecommand{\MRhref}[2]{%" write$ newline$
6290   "   \href{http://www.ams.org/mathscinet-getitem?mr=#1}{#2}"
6291   write$ newline$
6292   " }" write$ newline$
6293   " \providecommand{\href}[2]{#2}" write$ newline$
6294   " \providebibliographyfont{name}{}% write$ newline$
6295   " \providebibliographyfont{lastname}{}% write$ newline$
6296   " \providebibliographyfont{title}{\emph}% write$ newline$
6297   " \providebibliographyfont{jtitle}{\btxttitlefont}% write$ newline$
6298   " \providebibliographyfont{etal}{}% write$ newline$
6299   " \providebibliographyfont{journal}{}% write$ newline$
6300   " \providebibliographyfont{volume}{\textbf}% write$ newline$
6301   " \providebibliographyfont{ISBN}{\MakeUppercase}% write$ newline$
6302   " \providebibliographyfont{ISSN}{\MakeUppercase}% write$ newline$
6303   " \providebibliographyfont{url}{\url}% write$ newline$
6304   " \providebibliographyfont{numeral}{}% write$ newline$
6305   " \providecommand\btxprintamslanguage[1]{\ ( #1 )}" write$ newline$
6306   " \expandafter\btxselectlanguage\expandafter {\btxfallbacklanguage}"
6307   write$ newline$
6308 }
6309
6310 EXECUTE {begin.bib}
6311
6312 EXECUTE {init.state.consts}
6313
6314 ITERATE {call.type$}
6315
6316 FUNCTION {end.bib}
6317 { newline$
6318   "\end{thebibliography}" write$ newline$
6319 }

```

6320
6321 EXECUTE {end.bib}
6322 </bstams>

Change History

0.1	General: Total new version	1	\bbbbaddto: Changed \bbbbaddto in order to allow different commands to be added to \extras<language>	13
0.2	General: Added option <code>languagenames</code> to define commands for language names	3, 12	\btxfordchangeoff: Move change of case from bst to sty	16
	Removed Italian from the list of automatically found languages, since it is not complete, yet	21	\btxfordfont: Add new font for journal names	18
	Rewritten in main parts	1	0.33	
	\bbsenglish: Added language names	32	General: Added Danish language	57
	Changed some abbreviations	30	Added Dutch language	70
	\bbsgerman: Added language names	25	Added Portuguese language	66
	\bbsitalian: Added placeholders for language names	35	Added Spanish language	54
	\btxfordauthorcolon: Added	19	Added Swedish language	72
	\btxfordlanguage: Added	15	\bbsitalian: Changed some Italian keywords according to the custom-bib file italian.mbs	33
	\btxfordselectlanguage: Added	15	0.34	
	\providebibliographyfont: Added	17	General: Added Afrikaans	21
	\setbibliographyfont: Don't change the font commands directly but use this command	17	Added Afrikaans language	76
	\url: Added, if not available by another package	21	0.40	
0.3	\declarebtxfordcommands: Added	16	General: For <code>babalpha.bst</code> , use \Btxtechreplong	103
	\selectbiblanguage: Handling of usage before or after <code>begin{document}</code> added	13	For <code>babalpha.bst</code> , use \Btxtechreplong	102
0.31	General: Added Italian to the list of automatically found languages, again	21	Moved the <code>bst</code> files into the global <code>dtx</code> file	85
	\bbsitalian: Added some language names for Italian	35	Switch to a fall-back language when <code>language</code> field is missing	88, 128
0.32	General: Added French language	42	\btxfordfallbacklanguage: Add the command \btxfordfallbacklanguage for items without given language	16
	Move change of case from bst to sty	27, 33, 36	\url: If no \url command is defined, produce an error	21
			0.41	
			General: Added Norwegian (by Hans Fredrik Nordhaug)	21
			Corrected <code>babunsrt.bst</code>	118
			Corrected <code>swedish</code> (by Hans Fredrik Nordhaug)	72

0.42	General: Reorganise docstrip code	1	1.01	General: Added space after the <code>\btx...</code> commands in the <code>bst</code> files to avoid line-breaking problem	1
	Use unique version strings for all files of the bundle	1			
0.43	General: Document the problem using <code>frenchle.sty</code> when using <code>french</code> language with some babel versions	1	1.02	General: Language Portuguese completed	1, 66
	Warn if using <code>french</code> language	46	1.10	General: Allow different ordering of forenames and lastnames	1
	<code>\inputbdf</code> : Test on <code>\date{language}</code> instead on <code>\l@{language}</code> (caused problems with <code>TeXLive</code>)	13		Bug in Portuguese removed	66
0.44	General: Improved spacings in documentation	1		Protect the <code>\foreignlanguage</code> calls (avoids problems with <code>natbib</code>)	1
	Only warn if babel version is too old	46	1.11	General: Avoid some additional line breaks in author and editor names	1
0.44a	General: Adapted Makefile for <code>TeXLive</code>	1		Remove space after <code>\btxurlfont</code> because a linebreak between <code>\url</code> and the argument breaks <code>hyperref.sty</code> (which is a pity because this can lead to line-break problems with long arguments)	1
0.45	General: Added Esperanto language	63		Switch ISBN and ISSN in bibliographies on and off (does not work for $\mathcal{M}\mathcal{S}$ style)	1
	Added Finnish language	60	1.12	General: Add extra formatting of lastnames to <code>BibTeX</code> styles	92, 125
0.46	General: Enable to switch off print-out of language name with <code>babamsp1</code> style	1		Correct <code>\btxlanguageenglish</code> , <code>\btxmastthesis</code> , and <code>\btxmonaughshort</code> in <code>french.bdf</code>	1
1.00	General: Added <code>urldate</code> to all <code>BibTeX</code> styles	1		<code>\btxnamefont</code> : Add new font <code>\btxlastname</code> for last names	18
	Added Catalan language	82		<code>\setbtxfallbacklanguage</code> : Add the command <code>\setbtxfallbacklanguage</code> to force a fall-back language	16
	Fix sorting of <code>BibTeX</code> entries without an author	114	1.13	General: Apply corrections to and complete Italian language	1
	Remove <code>emphasize</code> and <code>smallcaps</code> from <code>BibTeX</code> styles	92, 125	1.14	General: Complete and correct catalan	1
	Remove warning for old babel package with <code>french</code> language	46	1.15	General: Small bug fix in loading language files	12
	Renamed <code>franceis</code> to <code>francais</code>	21			
	Rewritten warning about <code>frenchle.sty</code> package	1			
	Shorten version string	1			
	<code>\bibsenglish</code> : Handle package <code>frenchpro</code>	30			
	<code>\bbsfrench</code> : Handle package <code>frenchpro</code>	43			

<code>\biblanguage</code> : Add <code>\biblanguage</code> that switches to the keyword language within a field	15	known language	1
1.16		1.22	
<code>\bibsgerman</code> : Allow to alter space between two forenames	25	General: Remove space after <code>\btxurlfont</code> again because a linebreak between <code>\url</code> and the argument breaks <code>hyperref.sty</code>	1
1.17		1.23	
General: Change the language in alpha-numerical bib items . . .	88	General: Fix bug in typesetting title of articles for <code>babamspl.bst</code> . . .	1
Handle numerical edition num- bers	20	1.24	
<code>\bibsgerman</code> : Handle numerical edition numbers	25	General: Put <code>\btxISSN</code> and <code>\btxISBN</code> into an <code>\mbox</code> to pre- vent them from being hyphen- ated	1
1.20		1.25	
General: Add Greek language	1	General: Add font command for publisher	1
Add new font <code>jtitle</code> for titles of journal articles	1	Remove change of language in alpha-numerical bib items be- cause of occasional exceeded TeX memory	1
Add the fields <code>ANNOTE</code> and <code>ANNOTELANGUAGE</code> to all bibTeX styles and introduce the com- mand <code>\btxannotation</code> which prints the annotations on re- quest.	1	1.26	
Add the package op- tions <code>isbn</code> , <code>noisbn</code> , <code>issn</code> , <code>noissn</code> , <code>varlanguage</code> , <code>nolanguagenames</code> , <code>annotate</code> , and <code>noannotate</code>	1	General: Added French and Por- tuguese numerals	1
Bugfix in names writing of abbrevi- ated styles	1	Added Galician and Bahasa lan- guages	1
Change method to write <code>urldate</code> to enable to write it in brackets	1	Added Galician language	27
Ensure to write URL's in latin font	1	Correct journal article title font in <code>babamspl.bst</code>	1
Fix a bug with additional spaces after names	1	Corrected Spanish numerals . . .	1
Numerals for French and Span- ish	1	Linebreak added between <code>url</code> and <code>urldate</code>	1
1.21		Removed comma before 'and' in long lists of authors in Por- tuguese and Swedish	1
General: Fix problem when the first bibliography entry is in an un-		1.27	
		General: Added Russian language .	1
		Capitalised month names in Portuguese but not in Brazilian	1
		Fixed <code>publisherfont</code> in <code>babam- spl.bst</code>	1

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