

Multilingual bibliographies: The babelbib package

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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, Croatian, Danish, Dutch, English, Esperanto, Finnish, French,¹ Galician, German, Greek, Italian, Norwegian, Portuguese, Romanian, Russian, Serbian, Spanish, Swedish, and Turkish. 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 has 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 L^AT_EX 2_ε and does not work with plain T_EX.

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

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.

`\selectbiblanguage`

`babelbib` supports the BiB_TE_X styles `babplain`, `babplai3`, `babalpha`, `babunsrt`, `bababbrv`, and `bababbr3` that correspond to the standard `bst` files, but include

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`.

`\bibliographystyle` international support as well as flexible typography.⁴ As usual, you select the style using `\bibliographystyle{filename}`. In addition, the package supports the \LaTeX style `babamsp1` which corresponds to `amsplain` by the \mathcal{AMS} . If you want to use this style, you have to add the option `languagenames` to the call of the package. Default is `no``languagenames`.

`\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} \LaTeX 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}
}
```

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

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 `\alsiname` 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{\alsiname~\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 ist written “Lastname,

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 $\text{BIB}_{\text{E}}\text{X}$ 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 | | |

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., `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 `\emph` 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 whether 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` 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
`\btxprintISSN` 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` `\btxfnamespaceshort` 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. For some other languages, corresponding definitions are included in this package as well. Unfortunately, I do not know about some languages how to write ordinal numbers. Thus, in some 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: `\btxnumeraldot` prints the number with a dot followed, as it is common in German. `\btxnumeralenglish` adds “st”, “nd”, “rd”, or “th”, depending on the number. And `\btxnumeralfallback` 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:

```

\declarebtxcommands{danish}{%
    \def\btxnumeralshort#1{\btxnumeraldot{danish}{#1}}%
    \def\btxnumeralallong#1{\btxnumeraldot{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.

5.6 Printing of month and year

datename Starting with version 1.29, `babelbib` prints dates in the format “MMM YYYY” with the name of the month in case the month is specified in an bibliography entry by default (or by using the package option `datename`). For example,

```

@Manual{baeker1998a,
    title = {Automatische Neuvernetzung mit ABAQUS/Standard -- Technik
            und Anwendungen},
    author = {B"aker, M.},
    organization = {Institut f"ur Werkstoffe, Technische Universit"at
                  Braunschweig},
    address = {Braunschweig},
    month = oct,
    year = 1998,
    language = {ngerman}
}

```

```

@TechReport{aurenhammer1996a,
    author = {Aurenhammer, F. and Klein, R.},
    title = {Voronoi Diagrams},
    institution = {FernUniversit"at Gesamthochschule in Hagen},
    year = 1996,
    number = 198,
}

```

```

    month = 5,
    language = {english}
}

```

results in

- [1] Bäker, M.: *Automatische Neuvernetzung mit ABAQUS/Standard – Technik und Anwendungen*. Institut für Werkstoffe, Technische Universität Braunschweig, Braunschweig, October 1998.
- [2] Aurenhammer, F. and R. Klein: *Voronoi Diagrams*. Technical Report 198, FernUniversität Gesamthochschule in Hagen, May 1996.

Note that this conversion only works if you specify the month using the predefined macro names `jan`, `feb`, etc. or if you specify the month numerically (1, 2, 3, etc.). If you use strings (e. g., “January”), the handling of months does not work so that month and year are printed as given in any case.

Whether the full name (e. g., “October”) or an abbreviation (e. g., “Oct.”) is printed, is determined by the bibliography style (`.bst`).

`datenumeric` By loading `babelbib` with the package option `datenumeric`, the month is converted to a number. Currently, the output format is “MM/YYYY” in all languages. The result looks as follows:

- [1] Bäker, M.: *Automatische Neuvernetzung mit ABAQUS/Standard – Technik und Anwendungen*. Institut für Werkstoffe, Technische Universität Braunschweig, Braunschweig, 10/1998.
- [2] Aurenhammer, F. and R. Klein: *Voronoi Diagrams*. Technical Report 198, FernUniversität Gesamthochschule in Hagen, 5/1996.

`\btxprintmonthyearnum` If you don’t like the used format, you might change it by redefining the macro `\btxprintmonthyearnum` for your language as follows:

```

\declarebtxcommands{danish}{%
  \def\btxprintmonthyearnum#1#2{#1-#2}%
}

```

Here, the first argument is the month, the second the year.

`dateasis` By loading `babelbib` with the package option `dateasis`, the month is printed as specified in the `bib` file in the format “MMM YYYY”. Beware that the internal macro names `jan`, `feb`, etc. are handled as numbers so that following output is gained:

- [1] Bäker, M.: *Automatische Neuvernetzung mit ABAQUS/Standard – Technik und Anwendungen*. Institut für Werkstoffe, Technische Universität Braunschweig, Braunschweig, 10 1998.
- [2] Aurenhammer, F. and R. Klein: *Voronoi Diagrams*. Technical Report 198, FernUniversität Gesamthochschule in Hagen, 5 1996.

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. Make sure to use an existing `bdf` file of the most recent `babelbib` version.

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 `harald.harders@gmx.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.

8 To Do

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

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Yanti Yulianti, `y_yanti@students.itb.ac.id` (Bahasa); Miguel Rodríguez Penabad, `penabad@udc.es` (Galician); José Carlos Santos, `jcsantos@fc.up.pt` (Portuguese); Iago Quiñones, `iagoqo@gmail.com` (bugfix for Spanish); Erik Östhols, `erik.osthols@gmail.com` (Swedish); Zoran Filipovic, `zoran.filipovic@yahoo.com` (Serbian); Andrei Dragomirescu, `andrei.dragomirescu@gmail.com`; Tomas Hnizdil, `tomash.cz@gmail.com`; Markus Kohm, `komascript@gmx.info` (bug with explicitly loaded language); Timo Kalliomäki <`timoka10@gmail.com`> (Finnish, `\btxjvolume`).

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 <croatian>%% Language definitions for Croatian by
15 <croatian>%%   Vedran Miletic\`c <vmiletic@inf.uniri.hr>,
16 <croatian>%%   Ivan Kokan <ivan.kokan@gmail.com>,
```

```

17 <croatian)%% Ivica Naki\'c <nakic@math.hr>
18 <croatian)\ProvidesFile{croatian.bdf}
19 <czech)%% Language definitions for Czech by
20 <czech)%% Tomas Hnizdil <tomash.cz@gmail.com>
21 <czech)\ProvidesFile{czech.bdf}
22 <danish)\ProvidesFile{danish.bdf}
23 <dutch)\ProvidesFile{dutch.bdf}
24 <english)\ProvidesFile{english.bdf}
25 <esperanto)%% Language definitions for Esperanto by
26 <esperanto)%% Taneli Huuskonen <huuskone@cc.helsinki.fi>
27 <esperanto)\ProvidesFile{esperanto.bdf}
28 <finnish)%% Language definitions for Finnish by
29 <finnish)%% Taneli Huuskonen <huuskone@cc.helsinki.fi> and
30 <finnish)%% Timo Kalliom\'aki <timoka10@gmail.com>
31 <finnish)\ProvidesFile{finnish.bdf}
32 <french)\ProvidesFile{french.bdf}
33 <galician)%% Language definitions for Galician by
34 <galician)%% Miguel Rodr\i'iguez Penabad <penabad@udc.es>
35 <galician)\ProvidesFile{galician.bdf}
36 <german)\ProvidesFile{german.bdf}
37 <greek)\ProvidesFile{greek.bdf}
38 <greek)%% Language definitions for Greek by
39 <greek)%% Prokopis Prokopidis <prokopis@ilsp.gr>
40 <italian)\ProvidesFile{italian.bdf}
41 <norsk)%% Language definitions for Norwegian by
42 <norsk)%% Hans Fredrik Nordhaug <hansfn@mi.uib.no>
43 <norsk)\ProvidesFile{norsk.bdf}
44 <portuguese)%% Language definitions for Portuguese by
45 <portuguese)%% Jos\'e Carlos Santos <jcsantos@fc.up.pt>
46 <portuguese)\ProvidesFile{portuguese.bdf}
47 <romanian)%% Language definitions for Romanian by
48 <romanian)%% Andrei Dragomirescu <andrei.dragomirescu@gmail.com>
49 <romanian)\ProvidesFile{romanian.bdf}
50 <russian)%% Language definitions for Russian by
51 <russian)%% ... (can't find the information. If it was you please tell me!)
52 <russian)\ProvidesFile{russian.bdf}
53 <serbian)%% Language definitions for Serbian by
54 <serbian)%% Zoran Filipovic <zoran.filipovic@yahoo.com>
55 <serbian)\ProvidesFile{serbian.bdf}
56 <spanish)%% Language definitions for Spanish by
57 <spanish)%% V\i'ctor Lua{\n}a <victor@fluor.quimica.uniovi.es>
58 <spanish)\ProvidesFile{spanish.bdf}
59 <swedish)%% Language definitions for Swedish by
60 <swedish)%% Hans Fredrik Nordhaug <hansfn@mi.uib.no> and
61 <swedish)%% Erik \'Osthols <erik.osthols@gmail.com>
62 <swedish)\ProvidesFile{swedish.bdf}
63 <turkish)%% Language definitions for Turkish by
64 <turkish)%% Ahmed Zahid Demirciler <ahmed.demirciler@gmail.com>
65 <turkish)\ProvidesFile{turkish.bdf}

```

Version information unique for all generated files:

```
66 <latex> [2021/01/06 v1.34 babelbib: multilingual bibliographies]
67 <bst>%% 2021/01/06 v1.34 babelbib: multilingual bibliographies
```

9.2 The package itself

`\bbbbifpackageloaded` Define a copy of `\@ifpackageloaded` without `in` in the name to avoid issues with bdf files loaded either within the package or outside.

```
68 <*package>
69 \let\bbbbifpackageloaded=\@ifpackageloaded
```

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

```
70 \newif\ifbbbbfixlanguage
71 \DeclareOption{fixlanguage}{\bbbbfixlanguage>true}
72 \DeclareOption{varlanguage}{\bbbbfixlanguage>false}
```

If this option is used, generate the commands `\btxlabelname` (*language*) that save how languages are called in other languages, e. g. in German, French is called „französisch“.

```
73 \newif\ifbbbblanguages
74 \DeclareOption{nolanguages}{\bbbblanguages>false}
75 \DeclareOption{languages}{\bbbblanguages=true}
```

```
76 \newif\ifbbbbannotations
77 \DeclareOption{annotate}{\bbbbannotationstrue}
78 \DeclareOption{noannotate}{\bbbbannotationsfalse}
```

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

```
\ifbtx@printISSN
79 \newif\ifbtx@printISBN
80 \newif\ifbtx@printISSN
81 \DeclareOption{isbn}{\btx@printISBNtrue}
82 \DeclareOption{noisbn}{\btx@printISBNfalse}
83 \DeclareOption{issn}{\btx@printISSNtrue}
84 \DeclareOption{noissn}{\btx@printISSNfalse}
```

`\bbbbifundefined`

```
85 \newcommand\btxprintmonthyear[4]{}
86 \newcommand*\btx@dateasis{%
87   \def\btxprintmonthyear##1##2##3##4{##2\ ##3}%
88 }
89 \newcommand*\btx@datenumeric{%
90   \def\btxprintmonthyear##1##2##3##4{%
91     \ifnumber{##2}{\btxprintmonthyearnum{##2}{##3}}{##2\ ##3}}%
92 }
93 \newcommand*\btx@datename{%
94   \def\btxprintmonthyear##1##2##3##4{%
95     \ifnumber{##2}{%
```

```

96     \ifcase ##2 \or
97     \csname btxmonjan##4\endcsname{##1}\or
98     \csname btxmonfeb##4\endcsname{##1}\or
99     \csname btxmonmar##4\endcsname{##1}\or
100    \csname btxmonapr##4\endcsname{##1}\or
101    \csname btxmonmay##4\endcsname{##1}\or
102    \csname btxmonjun##4\endcsname{##1}\or
103    \csname btxmonjul##4\endcsname{##1}\or
104    \csname btxmonaug##4\endcsname{##1}\or
105    \csname btxmonsep##4\endcsname{##1}\or
106    \csname btxmonoct##4\endcsname{##1}\or
107    \csname btxmonnov##4\endcsname{##1}\or
108    \csname btxmondec##4\endcsname{##1}\or
109    \PackageError{babelbib}{%
110      Month outside range 1 to 12 used}{%
111      Better use the BibTeX names jan, feb, mar, etc.}%
112    \fi
113    \ ##3%
114  }{%
115    ##2\ ##3}%
116  }%
117 }
118 \DeclareOption{dateasis}{\btx@dateasis}
119 \DeclareOption{datenumeric}{\btx@datenumeric}
120 \DeclareOption{datename}{\btx@datename}

```

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.

```

121 \DeclareOption*{%
122   \InputIfFileExists{\CurrentOption.bdf}{%
123     \typeout{babelbib: \CurrentOption.bdf loaded due to explicit package
124       option \CurrentOption}%
125     \expandafter\def\csname bbbb\CurrentOption loaded\endcsname{\@empty}%
126   }{%
127     \PackageError{babelbib}{%
128       Language definition file \CurrentOption.bdf not found}{%
129       Maybe you misspelled the language option?}%
130   }%
131 }

```

Default options.

```

132 \ExecuteOptions{varlanguage,nolanguagenames,noannotate,isbn,issn,datename}

```

Process the given options.

```

133 \ProcessOptions*

```

`\bbbfundefined` 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).

```

134 \newcommand*{\bbbifundefined}[1]{%
135   \begingroup\expandafter\expandafter\expandafter\endgroup
136   \expandafter\ifx\csname #1\endcsname\relax
137     \expandafter\@firstoftwo
138   \else
139     \expandafter\@secondoftwo
140   \fi
141 }

```

`\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.

```

142 \newcommand\bbbaddto[2]{%
    Test whether \extras#1 is defined.
143   \expandafter\bbbifundefined{extras#1}{}{%
    Call babel's command to append \bibs#1 to \extras#1.
144     \expandafter\addto\expandafter{\csname extras#1\endcsname}{%
145       \csname #2\endcsname}%
146     \typeout{babelbib extension \@backslashchar #2 added to
147       \string\extras #1}%
148   }%
149 }

```

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

```

150 \newcommand\inputbdf[2]{%
    Test whether \date#1 is defined which is the case if the language #1 has been
    loaded.
151   \bbbifundefined{date#1}{}{%
    Input #2.bdf.
152     \@ifundefined{bbb#2loaded}{%
153       \expandafter\def\csname bbb#2loaded\endcsname{\@empty}%
154       \typeout{babelbib: #2.bdf loaded because language #2 defined.}%
155       \input{#2.bdf}%
156     }{}%
157   }%
158 }

```

`\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.

```

159 \ifbbbfixlanguage

```


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

```
160 \newcommand\selectbiblanguage[1]{%
161   \AtBeginDocument{\@selectbiblanguage{#1}}%
162 }
```

Redefine it at `\begin{document}`.

```
163 \AtBeginDocument{%
164   \renewcommand\selectbiblanguage[1]{\@selectbiblanguage{#1}}%
165 }
```

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

```
166 \newcommand\@selectbiblanguage[1]{%
167   \bbbifundefined{bibs#1}{%
168     \bbbifundefined{date#1}{%
169       \PackageError{babelbib}{Language #1 in bibliography not loaded
170         by babel}{%
171           The language #1 hasn't been loaded by babel.
172           Add it to the\MessageBreak
173           options of the \string\usepackage{babel} command or to the
174           global options.}%
175     }{%
176       \PackageError{babelbib}{Language #1 in bibliography unknown by
177         babelbib}{%
178           There are no definitions for #1 available in the
179           current\MessageBreak
180           version of babelbib. Please contact harald.harders@gmx.de.}%
181     }%
182   }{%
183     \typeout{babelbib: Set language for keywords in the bibliography fixed to #1}%
184     \csname bibs#1\endcsname
185   }%
186 }
187 \else
188 \newcommand\selectbiblanguage[1]{%
189   \PackageWarning{babelbib}{Command \string\selectbiblanguage\space
190     used without package\MessageBreak
191     option fixlanguage. Ignored}%
192 }
193 \AtBeginDocument{%
194   \typeout{babelbib: Use citation-dependent languages in bibliography}%
195 }
196 \fi
```

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

```
197 \newcommand\btxselectlanguage[1]{%
198   \bbbifundefined{bibs#1}{%
199     \bbbifundefined{date#1}{%
```

```

200     \PackageError{babelbib}{Language #1 in bibliography not loaded
201     by babel}{%
202     The language #1 hasn't been loaded by babel.
203     Add it to the\MessageBreak
204     options of the \string\usepackage{babel} command or to the
205     global options.}%
206 }{%
207     \ifbbbfixlanguage
208     \PackageWarning{babelbib}{Language #1 in bibliography
209     unknown\MessageBreak
210     by babelbib. Hyphenation will be\MessageBreak
211     incorrect}%
212     \else
213     \PackageError{babelbib}{Language #1 in bibliography unknown by
214     babelbib}{%
215     There are no definitions for #1 available in the
216     current\MessageBreak
217     version of babelbib. Please contact harald.harders@gmx.de.}%
218     \fi
219 }%
220 }{%
221     \csname extras#1\endcsname
222     \selectlanguage{#1}%
223 }%
224 }

```

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

```

225 \newcommand\biblanguage[1]{%
226     \expandafter\selectlanguage\expandafter{\biblanguage#1}}

```

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

```

227 \newcommand\btxlanguagenam[1]{%
228     \bbbfundefined{btxlanguagenam#1}{%
229     \PackageError{babelbib}{Languagenam for #1 not
230     defined\MessageBreak
231     in \languagenam\space language}{%
232     Either you have forgotten to specify the option 'languagenames'
233     when loading\MessageBreak
234     babelbib, or the command \string\bibs\languagenam\space does
235     not contain a definition\MessageBreak
236     for the command \string\btxlanguagenam#1.
237     In the latter case, please\MessageBreak
238     contact harald.harders@gmx.de.}%
239     #1%
240 }{%
241     \@nameuse{btxlanguagenam#1}%
242 }%
243 }

```

`\setbtxfallbacklanguage`

```
244 \newcommand*\setbtxfallbacklanguage[1]{%
245   \edef\btxfallbacklanguage{#1}%
246   \typeout{babelbib: Set bibliography fall-back language to
247     \btxfallbacklanguage}%
248 }
```

`\btxfallbacklanguage`

```
249 \AtBeginDocument{%
250   \ifundefined{btxfallbacklanguage}{%
251     \edef\btxfallbacklanguage{\languagename}%
252     \typeout{babelbib: Set bibliography fall-back language to
253       \btxfallbacklanguage}%
254   }{%
255     \typeout{babelbib: Bibliography fall-back language unchanged
256       (\btxfallbacklanguage)}%
257   }%
258 }
```

`\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.

```
259 \newcommand*\declarebtxcommands[2]{%
260   \AtBeginDocument{%
261     \typeout{babelbib: Add a command to \string\bibs#1}%
262     \expandafter\g@addto@macro\csname bibs#1\endcsname{#2}%
263     \ifbbbfixlanguage
264       \selectbiblanguage{\biblanguagename}%
265     \fi
266   }%
267 }
```

This command may only be used in the preamble.

```
268 \@onlypreamble\declarebtxcommands
```

`\btxifchangeon`

`\btxifchangeoff`

The bst files write titles twice, first with changed case and second with preserved case. The macros `\btxifchangeon` and `\btxifchangeoff` typeset one of these versions. The languages append one of these commands to the `\extras<language>` commands.

```
269 \newcommand*\btxifchangeon{%
270   \def\btxifchange{\@firstoftwo}%
271 }%
272 \newcommand*\btxifchangeoff{%
273   \def\btxifchange{\@secondoftwo}%
274 }%
```

`\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 `\btx#1font` is not defined. The star version doesn't. error.

```
275 \newcommand\setbibliographyfont{%
276 \@ifnextchar*\@setbibliographyfont\@setbibliographyfont}%
277 }
```

`\@setbibliographyfont`

```
278 \newcommand\@setbibliographyfont[2]{%
279 \bbbfundefined{btx#1font}{%
280 \PackageError{babelbib}{Bibliography font ‘#1’ can’t be set}{%
281 You have tried to define a font for the bibliographic element
282 \MessageBreak
283 ‘#1’, which is unknown to babelbib}%
284 }{%
285 \expandafter\renewcommand\csname btx#1font\endcsname{#2}%
286 \typeout{babelbib: Bibliography font for ‘#1’ changed.}%
287 }%
288 }
```

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

```
289 \newcommand\@@setbibliographyfont[3]{%
290 \bbbfundefined{btx#2font}{%
291 \expandafter\newcommand\csname btx#2font\endcsname{#3}%
292 \typeout{babelbib: Bibliography font for ‘#2’ newly defined.}%
293 }{%
294 \expandafter\renewcommand\csname btx#2font\endcsname{#3}%
295 \typeout{babelbib: Bibliography font for ‘#2’ changed.}%
296 }%
297 }
```

`\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 BIB_{TEX} style, but can also be used by the user.

```
298 \newcommand\providebibliographyfont{%
299 \@ifnextchar*\@providebibliographyfont\@providebibliographyfont}%
300 }
```

`\@providebibliographyfont`

```
301 \newcommand\@providebibliographyfont[2]{%
302 \bbbfundefined{btx#1font}{%
303 \PackageError{babelbib}{Bibliography font ‘#1’ can’t be set}{%
304 You have tried to define a font for the bibliographic element
305 \MessageBreak
306 ‘#1’, which is unknown to babelbib}%
307 }
```

```

307 }{%
308   \expandafter\ifx\csname btx#1font\endcsname\@empty
309   \expandafter\renewcommand\csname btx#1font\endcsname{#2}%
310   \typeout{babelbib: Using the BibTeX style's default font for '#1'.}%
311   \else
312   \typeout{babelbib: Using user changed font for '#1'.}%
313   \fi
314 }%
315 }

```

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

```

316 \newcommand\@providebibliographyfont[3]{%
317   \bbbifundefined{btx#2font}{%
318     \expandafter\newcommand\csname btx#2font\endcsname{#3}%
319     \typeout{babelbib: Using the BibTeX style's default font for '#2'.}%
320   }{%
321     \expandafter\ifx\csname btx#2font\endcsname\@empty
322     \expandafter\renewcommand\csname btx#2font\endcsname{#3}%
323     \typeout{babelbib: Using the BibTeX style's default font for '#2'.}%
324     \else
325     \typeout{babelbib: Using user changed font for '#2'.}%
326     \fi
327   }%
328 }

```

`\btxnamefont` Define the dummy commands for available fonts

```

329 \newcommand*\btxnamefont{}
330 \let\btxnamefont=\@empty
331 \newcommand*\btxlastnamefont{}
332 \let\btxlastnamefont=\@empty
333 \newcommand\btxtitlefont{}
334 \let\btxtitlefont=\@empty
335 \newcommand\btxjtitlefont{}
336 \let\btxjtitlefont=\@empty
337 \newcommand\btxetalfont{}
338 \let\btxetalfont=\@empty
339 \newcommand\btxjournalfont{}
340 \let\btxjournalfont=\@empty
341 \newcommand\btxpublisherfont{}
342 \let\btxpublisherfont=\@empty
343 \newcommand\btxvolumefont{}
344 \let\btxvolumefont=\@empty
345 \newcommand\btxISBNfont{}
346 \let\btxISBNfont=\@empty
347 \newcommand\btxISSNfont{}
348 \let\btxISSNfont=\@empty
349 \newcommand\btxurlfont{}
350 \let\btxurlfont=\@empty
351 \newcommand\btxurldatefont{}
352 \let\btxurldatefont=\@empty

```

```

353 \newcommand\btxnumeralfont{}
354 \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 “:”.
355 \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.
356 \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.
357 \newcommand\btxISSN{ISSN}

\ifbtxprintISBN These commands are used by the bibliography styles to typeset the ISBN or ISSN
\ifbtxprintISSN only if wanted.
358 \DeclareRobustCommand\ifbtxprintISBN[1]{\ifbtx@printISBN #1\fi}
359 \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.
360 \newcommand*\btxprintISBN[1]{\csname btx@printISBN#1\endcsname}
361 \newcommand*\btxprintISSN[1]{\csname btx@printISSN#1\endcsname}

\btxannotation A command that typesets annotations.
362 \ifbbbbannotations
363 \DeclareRobustCommand\btxannotation[1]{%
364 \begin{quotation}%
365 \noindent
366 #1%
367 \end{quotation}%
368 }
369 \else
370 \DeclareRobustCommand\btxannotation[1]{}%
371 \fi

\btx@ifnumerical Test whether argument 1 is a number (from KOMA script)
372 \providecommand\ifnumber[3]{%
373 \begin{group}\@tempwafalse\let\scr@next\test@number
374 \expandafter\scr@next#1\scr@next
375 \if@tempswa\endgroup#2\else\endgroup#3\fi
376 }
377 \providecommand*\test@number[1]{%
378 \ifx \scr@next#1%
379 \let\scr@next\relax
380 \else
381 \@tempcnta=\expandafter\expandafter\expandafter\number

```

```

382 \expandafter'#1\relax
383 \ifnum \@tempcnta>47\relax
384 \ifnum \@tempcnta<58\relax
385 \@tempwatrue
386 \else\@tempwafalse\fi
387 \else\@tempwafalse\fi
388 \if@tempswa\else\let\scr@next\gobble@till@next\fi\fi
389 \scr@next
390 }
391 \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`.

```

392 \def\btx@parsenum#1#2#3\@empty{%
393 #1%
394 \edef\btx@digitb{#3}%
395 \ifx\@empty\btx@digitb
396 #2%
397 \edef\btx@digita{#1}%
398 \edef\btx@digitb{#2}%
399 \else
400 \expandafter\btx@parsenum#2#3\@empty
401 \fi
402 }
```

`\btxnumeralfallback`

```

403 \DeclareRobustCommand\btxnumeralfallback[2]{%
404 \foreignlanguage{#1}{%
405 \ifnumber{#2}{%
406 \PackageWarning{babelbib}{Handling of numerical editions not
407 handled\MessageBreak by language #1 for edition '#2'}%
408 }{}%
409 #2%
410 }%
411 }%
```

`\btxnumeraldot`

```

412 \DeclareRobustCommand\btxnumeraldot[2]{%
413 \foreignlanguage{#1}{\ifnumber{#2}{#2.}{#2}}%
414 }
```

`\btxnumeralenglish`

```

415 \DeclareRobustCommand\btxnumeralenglish[2]{%
416 \foreignlanguage{#1}{%
417 \ifnumber{#2}{%
418 \expandafter\btx@parsenum#2\@empty\@empty\@empty
419 \btxnumeralfont{%
420 \ifx\btx@digitb\@empty
```

```

421         \ifcase\btx@digita th\or st\or nd\or rd\else th\fi
422     \else
423         \ifnum\btx@digita=1
424             th%
425         \else
426             \ifcase\btx@digitb th\or st\or nd\or rd\else th\fi
427         \fi
428     \fi
429 }%
430 }{\#2}%
431 }%
432 }

```

\btxnumeralromanian

```

433 \newcounter{btxromaniannumeral}%
434 \renewcommand\thebtxromaniannumeral{\Roman{btxromaniannumeral}}%
435 \DeclareRobustCommand\btxnumeralromanian[2]{%
436     \foreignlanguage{#1}{%
437         \ifnumber{#2}{%
438             \setcounter{btxromaniannumeral}{#2}%
439             \ifcase#2 0\or \thebtxromaniannumeral\else a \thebtxromaniannumeral-a \fi
440         }{\#2}%
441     }%
442 }

```

\btxnumeralfrench

```

443 \DeclareRobustCommand\btxnumeralfrench[2]{%
444     \foreignlanguage{#1}{%
445         \ifnumber{#2}{%
446             \expandafter\btx@parsenum#2\@empty\@empty\@empty
447             \btxnumeralfont{%
448                 \ifx\btx@digitb\@empty
449                     \ifcase\btx@digita \ieme\or \iere\else \ieme\fi
450                 \else
451                     \ifnum\btx@digita=1
452                         th%
453                     \else
454                         \ifcase\btx@digitb \ieme\or \iere\else \ieme\fi
455                     \fi
456                 \fi
457             }%
458         }{\#2}%
459     }%
460 }

```

\btxnumeralswedish

```

461 \DeclareRobustCommand\btxnumeralswedish[2]{%
462     \foreignlanguage{#1}{%
463         \ifnumber{#2}{%

```



```

464 \expandafter\btX@parsenum#2\@empty\@empty\@empty
465 \btXnumeralfont{%
466 \ifx\btX@digitb\@empty
467 \ifcase\btX@digita :e\or :a\or :a\or :e\else :e\fi
468 \else
469 \ifnum\btX@digita=1
470 :a%
471 \else
472 \ifcase\btX@digitb :e\or :a\or :a\or :e\else :e\fi
473 \fi
474 \fi
475 }%
476 }{#2}%
477 }%
478 }

```

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

```

479 \AtBeginDocument{%
480 \providecommand\url[1]{%
481 \PackageError{babelbib}{No \string\url\space command defined but
482 field URL used\MessageBreak
483 in bibliography}{%
484 Please define a \string\url\space command for printing URLs
485 before \string\begin{document}, e.\,g.\MessageBreak
486 by loading the package 'url.sty'.}%
487 \texttt{#1}%
488 }%
489 }

```

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

```

490 \AtBeginDocument{%
491 Load babel if that has not been done, yet.
491 \RequirePackage{babel}
492 Input all know languages that babel has also loaded, before.
492 \inputbdf{afrikaans}{afrikaans}
493 \inputbdf{american}{english}
494 \inputbdf{austrian}{german}
495 \inputbdf{bahasa}{bahasa}
496 \inputbdf{brazil}{portuguese}
497 \inputbdf{brazilian}{portuguese}
498 \inputbdf{british}{english}
499 \inputbdf{canadian}{english}
500 \inputbdf{canadien}{french}
501 \inputbdf{catalan}{catalan}
502 \inputbdf{croatian}{croatian}
503 \inputbdf{czech}{czech}

```

```

504 \inputbdf{danish}{danish}
505 \inputbdf{dutch}{dutch}
506 \inputbdf{english}{english}
507 \inputbdf{esperanto}{esperanto}
508 \inputbdf{finnish}{finnish}
509 \inputbdf{français}{french}
510 \inputbdf{french}{french}
511 \inputbdf{frenchb}{french}
512 \inputbdf{galician}{galician}
513 \inputbdf{german}{german}
514 \inputbdf{germanb}{german}
515 \inputbdf{greek}{greek}
516 \inputbdf{italian}{italian}
517 \inputbdf{norsk}{norsk}
518 \inputbdf{mexican}{spanish}
519 \inputbdf{naustrian}{german}
520 \inputbdf{ngerman}{german}
521 \inputbdf{portuges}{portuguese}
522 \inputbdf{portuguese}{portuguese}
523 \inputbdf{romanian}{romanian}
524 \inputbdf{russian}{russian}
525 \inputbdf{russianb}{russian}
526 \inputbdf{serbian}{serbian}
527 \inputbdf{spanish}{spanish}
528 \inputbdf{swedish}{swedish}
529 \inputbdf{turkish}{turkish}
530 \inputbdf{UKenglish}{english}
531 \inputbdf{USenglish}{english}

```

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

```

532 \ifbbbfixlanguage
533   \typeout{babelbib: Load BibTeX extensions
534     \string\bibs\bbl@main@language\space for \bbl@main@language}%
535   \selectbiblanguage{\bbl@main@language}%
536 \else
537   \expandafter\selectlanguage\expandafter{\bbl@main@language}%
538 \fi
539 }
540 \</package>

```

9.3 The language definitions

9.3.1 German

```
541 <*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.

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

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

```
543 \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{.}`.

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

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

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

```
547 \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.

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

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

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

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

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

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

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

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

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

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

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

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

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

```
561 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{Jg##1{}}}%
```

```
562 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{Jahrgang}}%
```

```
563 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
```

```
564 \def\btxnumberlong##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.

```
565 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{Auf##1{}}}%
```

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

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

```
568     \allowhyphens lage}}%
```

```
569 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionshort{##2}}%
```

```
570 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
```

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

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

```

573 \def\btxpatheshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
574 \def\btxpathelong##1{\protect\foreignlanguage{#1}{Seite}}%
575 \def\btxpathesshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
576 \def\btxpatheslong##1{\protect\foreignlanguage{#1}{Seiten}}%
577 \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.

```

578 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Dissertation}}%
579 \def\btxttechrephshort##1{\protect\foreignlanguage{#1}{Techn.\ Ber##1{}}}%
580 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{Technischer Bericht}}%
581 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januar}}%
582 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februar}}%
583 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{M\ "arz}}%
584 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
585 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mai}}%
586 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
587 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
588 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{August}}%
589 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
590 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}%
591 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
592 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Dezember}}%
593 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
594 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
595 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{M\ "arz}}%
596 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
597 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Mai}}%
598 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Juni}}%
599 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Juli}}%
600 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
601 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
602 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
603 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
604 \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.

```

605 \def\Btxinlong##1{\protect\foreignlanguage{#1}{In:}}%
606 \def\Btxinshort##1{\protect\foreignlanguage{#1}{In:}}%
607 \def\Btxeditorshort{\btxeditorshort}%
608 \def\Btxeditorlong{\btxeditorlong}%
609 \def\Btxeditorsshort{\btxeditorsshort}%
610 \def\Btxeditorslong{\btxeditorslong}%
611 \def\Btxvolumeshort{\btxvolumeshort}%
612 \def\Btxvolumelong{\btxvolumelong}%
613 \def\Btxjvolumeshort{\btxjvolumeshort}%
614 \def\Btxjvolumelong{\btxjvolumelong}%

```

```

615 \def\Btxnumbersshort{\btxnumbersshort}%
616 \def\Btxnumberlong{\btxnumberlong}%
617 \def\Btxeditionshort{\btxeditionshort}%
618 \def\Btxeditionlong{\btxeditionlong}%
619 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
620 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
621 \def\Btxchaptershort{\btxchaptershort}%
622 \def\Btxchapterlong{\btxchapterlong}%
623 \def\Btxpageshort{\btxpageshort}%
624 \def\Btxpagelong{\btxpagelong}%
625 \def\Btxpagesshort{\btxpagesshort}%
626 \def\Btxpageslong{\btxpageslong}%
627 \def\Btxtechrepshort{\btxtechrepshort}%
628 \def\Btxtechreplong{\btxtechreplong}%
629 \def\Btxurldatecomment##1{\protect\foreignlanguage{##1}{, besucht: ##1}}%

```

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

```

630 \def\btxfnamespaceshort{\,}%
631 \def\btxfnamespacelong{ }%

```

Handle numerical edition numbers.

```

632 \def\btxnumeralshort##1{\btxnumeraldot{##1}{##1}}%
633 \def\btxnumerallong##1{\btxnumeraldot{##1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

634 \def\Btxprintmonthyearnum##1##2{##1/##2}%

```

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

```

635 % \def\Btxkeywordlanguage##1{\protect\foreignlanguage{##1}{##1}}%
636 \def\Btxkeywordlanguage##1{\protect\selectlanguage{##1}{##1}}%

```

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

```

637 \ifbbblanguagenames
638 \def\Btxlanguagenameamerican{\protect\foreignlanguage{##1}{englisch}}%
639 \def\Btxlanguagenameaustrian{\protect\foreignlanguage{##1}{deutsch}}%
640 \def\Btxlanguagenamebrazil{\protect\foreignlanguage{##1}{portugiesisch}}%
641 \def\Btxlanguagenamebrazilian{\protect\foreignlanguage{##1}{portugiesisch}}%
642 \def\Btxlanguagenamebritish{\protect\foreignlanguage{##1}{englisch}}%
643 \def\Btxlanguagenamebulgarian{\protect\foreignlanguage{##1}{bulgarisch}}%
644 \def\Btxlanguagenamecanadian{\protect\foreignlanguage{##1}{englisch}}%
645 \def\Btxlanguagenamecanadien{\protect\foreignlanguage{##1}{franz\ "osisch}}%
646 \def\Btxlanguagenamecatalan{\protect\foreignlanguage{##1}{katalanisch}}%
647 \def\Btxlanguagenamecroatian{\protect\foreignlanguage{##1}{kroatisch}}%
648 \def\Btxlanguagenameczech{\protect\foreignlanguage{##1}{tschechisch}}%
649 \def\Btxlanguagename danish{\protect\foreignlanguage{##1}{d\ "anisch}}%
650 \def\Btxlanguagename dutch{\protect\foreignlanguage{##1}{niederl\ "andisch}}%
651 \def\Btxlanguagename english{\protect\foreignlanguage{##1}{englisch}}%
652 \def\Btxlanguagename esperanto{\protect\foreignlanguage{##1}{esperanto}}%
653 \def\Btxlanguagename finnish{\protect\foreignlanguage{##1}{finnisch}}%
654 \def\Btxlanguagename francais{\protect\foreignlanguage{##1}{franz\ "osisch}}%

```

```

655 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{franz\osisch}}%
656 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{franz\osisch}}%
657 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{deutsch}}%
658 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{deutsch}}%
659 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{griechisch}}%
660 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebr\aisch}}%
661 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{ungarisch}}%
662 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{isl\andisch}}%
663 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irisch}}%
664 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italienisch}}%
665 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{lateinisch}}%
666 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{deutsch}}%
667 \def\btxlanguagenamegermanf{\protect\foreignlanguage{#1}{deutsch}}%
668 \def\btxlanguagenameynorsk{\protect\foreignlanguage{#1}{norwegisch}}%
669 \def\btxlanguagenameynorskf{\protect\foreignlanguage{#1}{neunorwegisch}}%
670 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polnisch}}%
671 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugiesisch}}%
672 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugiesisch}}%
673 \def\btxlanguagenameussian{\protect\foreignlanguage{#1}{russisch}}%
674 \def\btxlanguagenamecscottish{\protect\foreignlanguage{#1}{schottisch}}%
675 \def\btxlanguagenameSerbian{\protect\foreignlanguage{#1}{serbisch}}%
676 \def\btxlanguagenameSpanish{\protect\foreignlanguage{#1}{spanisch}}%
677 \def\btxlanguagenameSwedish{\protect\foreignlanguage{#1}{schwedisch}}%
678 \def\btxlanguagenameTurkish{\protect\foreignlanguage{#1}{t\urkisch}}%
679 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{englisch}}%
680 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{englisch}}%
681 \fi
682 }

```

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

```
683 \newcommand\bibsgermanb{\bibsgerman}
```

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

```
684 \newcommand\bibsngerman[1][ngerman]{\bibsgerman[#1]}
```

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

```

685 \newcommand\bibsAustrian[1][Austrian]{%
686 \bibsgerman[#1]}%
687 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{J\anner}}%
688 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{J\an##1}}%
689 }

```

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

```

690 \newcommand\bibsnaustrian[1][naustrian]{%
691 \bibsngerman[#1]}%
692 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{J\anner}}%

```

```

693 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{J\"an##1{}}}%
694 }

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

695 \AtBeginDocument{%
  If the language is fixed, do nothing.
696 \ifbbbfixlanguage
697 \else

  Append the corresponding \#2 command to each used language, namely \extras#1.
698 \bbbaddto{austrian}{bibs austrian}
699 \bbbaddto{german}{bibsgerman}
700 \bbbaddto{germanb}{bibsgermanb}
701 \bbbaddto{naustrian}{bibsnaustrian}
702 \bbbaddto{ngerman}{bibsngerman}
703 \fi

  Switch off the change of case in titles for all German dialects by appending
  \btxifchangeoff to \extras<language>.
704 \bbbaddto{austrian}{btxifchangeoff}
705 \bbbaddto{german}{btxifchangeoff}
706 \bbbaddto{germanb}{btxifchangeoff}
707 \bbbaddto{naustrian}{btxifchangeoff}
708 \bbbaddto{ngerman}{btxifchangeoff}
709 }
710 </german>

```

9.3.2 Galician

```
711 <*galician>
```

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

`\bibsgalician` Bibliographic commands for Galician.

```

712 \newcommand\bibsgalician[1][galician]{%
713 \def\biblanguagename{#1}%
714 \def\btxetalshort##1{\protect\foreignlanguage{#1}{e~cols##1{}}}%
715 \def\btxetalldlong##1{\protect\foreignlanguage{#1}{e~colaboradores}}%
716 \def\btxandshort##1{\protect\foreignlanguage{#1}{e}}%
717 \def\btxandlong##1{\protect\foreignlanguage{#1}{e}}%
718 \def\btxandcomma##1{,}%
719 \def\btxinlong##1{\protect\foreignlanguage{#1}{en}}%
720 \def\btxinshort##1{\protect\foreignlanguage{#1}{en}}%
721 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{de}}%
722 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{en}}%
723 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}%
724 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{en}}%
725 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
726 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}%

```

```

727 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{eds##1{}}}%
728 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editores}}%
729 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
730 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}%
731 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
732 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volume}}%
733 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{%
734     n\textsuperscript{\underline{o}}}}%
735 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{n\`umero}}%
736 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
737 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edici\`o{n}}}%
738 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}%
739 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
740 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1{}}}%
741 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{cap{\`i}tulo}}%
742 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p\`ax##1{}}}%
743 \def\btxpagelong##1{\protect\foreignlanguage{#1}{p\`axina}}%
744 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p\`axs##1{}}}%
745 \def\btxpagelong##1{\protect\foreignlanguage{#1}{p\`axinas}}%
746 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Tese de Licenciatura}}%
747 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Tese de Doutoramento}}%
748 \def\btxtechrepsshort##1{\protect\foreignlanguage{#1}{Informe t\`ecnico##1{}}}%
749 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Informe t\`ecnico}}%
750 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Xaneiro}}%
751 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Fevereiro}}%
752 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Marzo}}%
753 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{Abril}}%
754 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Maio}}%
755 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Xu\`no}}%
756 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Xullo}}%
757 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Ago}}%
758 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Setembro}}%
759 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Outubro}}%
760 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{Novembro}}%
761 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Decembro}}%
762 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Xan##1{}}}%
763 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
764 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
765 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Abr##1{}}}%
766 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Mai}}%
767 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Xu\`n}}%
768 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Xul}}%
769 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Ago##1{}}}%
770 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Set##1{}}}%
771 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Out##1{}}}%
772 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
773 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
774 \def\Btxinlong##1{\protect\foreignlanguage{#1}{En}}%
775 \def\Btxinshort##1{\protect\foreignlanguage{#1}{En}}%
776 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%

```



```

777 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}%
778 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
779 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editores}}%
780 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
781 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
782 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
783 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
784 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{%
785     N\textsuperscript{\underline{o}}}}%
786 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{N\`umero}}%
787 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
788 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edici\`on}}%
789 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}\Btxeditionshort{##2}}%
790 \def\Btxeditionnumlong##1##2{\btxnumeralallong{##1}\Btxeditionlong{##2}}%
791 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
792 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Cap\`itulo}}%
793 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P\`ax##1{}}}%
794 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{P\`axina}}%
795 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{P\`axs##1{}}}%
796 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{P\`axinas}}%
797 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Informe t\`ecnico}}%
798 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Informe t\`ecnico}}%
799 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, visitado o ##1}}%
800 \def\btxfnamespaceshort{\,}%
801 \def\btxfnamespacelong{ }%
802 \def\btxnumeralshort##1{\protect\foreignlanguage{#1}{%
803     \ifnumber{##1}{##1\textsuperscript{a}}{##1}}}%
804 \def\btxnumeralallong##1{\btxnumeralshort{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

805 \def\btxprintmonthyearnum##1##2{##1/##2}%
806 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
807 \ifbbblanguagenames
808   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{ingl\`es}}%
809   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem\`an}}%
810   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugu\`es}}%
811   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugu\`es}}%
812   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{ingl\`es}}%
813   \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{b\`ulgaro}}%
814   \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{ingl\`es}}%
815   \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franc\`es}}%
816   \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catal\`an}}%
817   \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croata}}%
818   \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{checo}}%
819   \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{dan\`es}}%
820   \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{holand\`es}}%
821   \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{ingl\`es}}%
822   \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
823   \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finland\`es}}%
824   \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{franc\`es}}%

```

```

825 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{franc'es}}%
826 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{franc'es}}%
827 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{alem'an}}%
828 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{alem'an}}%
829 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{grego}}%
830 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebreo}}%
831 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{h'ungaro}}%
832 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{island'es}}%
833 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irland'es}}%
834 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italiano}}%
835 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{lat'i n}}%
836 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem'an}}%
837 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{alem'an}}%
838 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{alem'an}}%
839 \def\btxlanguagenameynorsk{\protect\foreignlanguage{#1}{noruego}}%
840 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polaco}}%
841 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugu'es}}%
842 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugu'es}}%
843 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{ruso}}%
844 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{escoc'es}}%
845 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbio}}%
846 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{espa~no1}}%
847 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{sueco}}%
848 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turco}}%
849 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{ingl'es}}%
850 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{ingl'es}}%
851 \fi
852 }

```

Append the definitions to the language-calling commands.

```

853 \AtBeginDocument{%
854 \ifbbbfixlanguage
855 \else
856 \bbbaddto{galician}{bibs galician}
857 \fi
858 \bbbaddto{galician}{btxifchange case off}
859 }
860 </galician>

```

9.3.3 English

```
861 <*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.

```
862 \bbbifpackage loaded{french}{\newcommand\bibsenglish{}}
```

Bibliographic commands for English.

```

863 \renewcommand\bibsenglish[1][english]{%
864   \def\biblanguagename{#1}%
865   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
866   \def\btxetalldlong##1{\protect\foreignlanguage{#1}{et~alii}}%
867   \def\btxandshort##1{\protect\foreignlanguage{#1}{and}}%
868   \def\btxandlong##1{\protect\foreignlanguage{#1}{and}}%
869   \def\btxandcomma##1{,}%
870   \def\btxinlong##1{\protect\foreignlanguage{#1}{in}}%
871   \def\btxinshort##1{\protect\foreignlanguage{#1}{in}}%
872   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{of}}%
873   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{in}}%
874   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{of}}%
875   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{in}}%
876   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
877   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}%
878   \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{eds##1{}}}%
879   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editors}}%
880   \def\btxvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
881   \def\btxvolumelong##1{\protect\foreignlanguage{#1}{volume}}%
882   \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
883   \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volume}}%
884   \def\btxnumbershort##1{\protect\foreignlanguage{#1}{no##1{}}}%
885   \def\btxnumberlong##1{\protect\foreignlanguage{#1}{number}}%
886   \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
887   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edition}}%
888   \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}%
889   \def\btxeditionnumlong##1##2{\btxnumeralldlong{##1}~\btxeditionlong{##2}}%
890   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{ch##1{}}}%
891   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{chapter}}%
892   \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
893   \def\btxpagelong##1{\protect\foreignlanguage{#1}{page}}%
894   \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
895   \def\btxpageslong##1{\protect\foreignlanguage{#1}{pages}}%
896   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Master's thesis}}%
897   \def\btxphdthesis##1{\protect\foreignlanguage{#1}{PhD thesis}}%
898   \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Techn.\ rep##1{}}}%
899   \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Technical report}}%
900   \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{January}}%
901   \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{February}}%
902   \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{March}}%
903   \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
904   \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{May}}%
905   \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{June}}%
906   \def\btxmonjullong##1{\protect\foreignlanguage{#1}{July}}%
907   \def\btxmonauglong##1{\protect\foreignlanguage{#1}{August}}%
908   \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
909   \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{October}}%
910   \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
911   \def\btxmondeclong##1{\protect\foreignlanguage{#1}{December}}%
912   \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%

```

```

913 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
914 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
915 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
916 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{May}}}%
917 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{June}}}%
918 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{July}}}%
919 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
920 \def\btxmonsepshort##1{\protect\foreignlanguage{#1}{Sept##1{}}}%
921 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Oct##1{}}}%
922 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
923 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
924 \def\Btxinlong##1{\protect\foreignlanguage{#1}{In}}}%
925 \def\Btxinshort##1{\protect\foreignlanguage{#1}{In}}}%
926 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
927 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}}%
928 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Eds##1{}}}%
929 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editors}}}%
930 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
931 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}}%
932 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
933 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volume}}}%
934 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{No##1{}}}%
935 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Number}}}%
936 \def\Btxeditionsshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
937 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edition}}}%
938 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionsshort{##2}}}%
939 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}}%
940 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Ch##1{}}}%
941 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Chapter}}}%
942 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
943 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Page}}}%
944 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
945 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pages}}}%
946 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Tech.\ Rep##1{}}}%
947 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Technical Report}}}%
948 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, visited on ##1}}}%
949 \def\btxfnamespaceshort{}%
950 \def\btxfnamespacelong{}%
951 \def\btxnumeralshort##1{\btxnumeralenglish{#1}{##1}}}%
952 \def\btxnumerallong##1{\btxnumeralenglish{#1}{##1}}}%

```

Define how to print month and year in numeric format, e.g. MM/YYYY.

```

953 \def\btxprintmonthyearnum##1##2{##1/##2}%
954 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%

```

Names of all known languages in the current language.

```

955 \ifbbblanguagenames
956 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{english}}}%
957 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{german}}}%
958 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portuguese}}}%
959 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portuguese}}}%

```

```

960 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{english}}%
961 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgarian}}%
962 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{english}}%
963 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{french}}%
964 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalan}}%
965 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croatian}}%
966 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{czech}}%
967 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{danish}}%
968 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{dutch}}%
969 \def\btxlanguagename english{\protect\foreignlanguage{#1}{english}}%
970 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
971 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finnish}}%
972 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{french}}%
973 \def\btxlanguagename french{\protect\foreignlanguage{#1}{french}}%
974 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{french}}%
975 \def\btxlanguagename german{\protect\foreignlanguage{#1}{german}}%
976 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{german}}%
977 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{greek}}%
978 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{hebrew}}%
979 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{hungarian}}%
980 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{icelandic}}%
981 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irish}}%
982 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italian}}%
983 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{latin}}%
984 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{german}}%
985 \def\btxlanguagename engerman{\protect\foreignlanguage{#1}{german}}%
986 \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{norwegian}}%
987 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{new-norwegian}}%
988 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polish}}%
989 \def\btxlanguagename portugese{\protect\foreignlanguage{#1}{portuguese}}%
990 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portuguese}}%
991 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{russian}}%
992 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{scottish}}%
993 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbian}}%
994 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{spanish}}%
995 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{swedish}}%
996 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turkish}}%
997 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{english}}%
998 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{english}}%
999 \fi
1000 }

```

Copy the commands to the other languages.

```

1001 \newcommand\bibsamerican{\bibsenglish[american]}
1002 \newcommand\bibsbritish{\bibsenglish[british]}
1003 \newcommand\bibscanadian{\bibsenglish[canadian]}
1004 \newcommand\bibsUKenglish{\bibsenglish[UKenglish]}
1005 \newcommand\bibsUSenglish{\bibsenglish[USenglish]}

```

Append the definitions to the language-calling commands.

```

1006 \AtBeginDocument{%
1007   \ifbbbfixlanguage
1008   \else
1009     \bbbbaddto{american}{bibsamerican}
1010     \bbbbaddto{british}{bibsbritish}
1011     \bbbbaddto{canadian}{bibs canadian}
1012     \bbbbaddto{english}{bibsenglish}
1013     \bbbbaddto{UKenglish}{bibsUKenglish}
1014     \bbbbaddto{USenglish}{bibsUSenglish}
1015   \fi

```

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

```

1016   \bbbbaddto{american}{btxifchangeoff}
1017   \bbbbaddto{british}{btxifchangeoff}
1018   \bbbbaddto{canadian}{btxifchangeoff}
1019   \bbbbaddto{english}{btxifchangeoff}
1020   \bbbbaddto{UKenglish}{btxifchangeoff}
1021   \bbbbaddto{USenglish}{btxifchangeoff}
1022 }
1023 </english>

```

9.3.4 Italian

```
1024 <*italian>
```

`\bibsitalian` Bibliographic commands for Italian.

```

1025 \newcommand\bibsitalian[1][italian]{%
1026   \def\biblanguagename{#1}%
1027   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1}}%
1028   \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii}}%
1029   \def\btxandshort##1{\protect\foreignlanguage{#1}{e}}%
1030   \def\btxandlong##1{\protect\foreignlanguage{#1}{e}}%
1031   \def\btxandcomma##1{}%
1032   \def\btxinlong##1{\protect\foreignlanguage{#1}{in}}%
1033   \def\btxinshort##1{\protect\foreignlanguage{#1}{in}}%
1034   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{della serie}}%
1035   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{nella serie}}%
1036   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{della serie}}%
1037   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{nella serie}}%
1038   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{cur##1}}%
1039   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{curatore}}%
1040   \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{cur##1}}%
1041   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{curatori}}%
1042   \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1}}%
1043   \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}%
1044   \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1}}%
1045   \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volume}}%
1046   \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{no##1}}%
1047   \def\btxnnumberlong##1{\protect\foreignlanguage{#1}{numero}}%

```

```

1048 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
1049 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edizione}}%
1050 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}%
1051 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
1052 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1{}}}%
1053 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{capitolo}}%
1054 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
1055 \def\btxpagelong##1{\protect\foreignlanguage{#1}{pagina}}%
1056 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
1057 \def\btxpageslong##1{\protect\foreignlanguage{#1}{pagine}}%
1058 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{tesi di laurea}}%
1059 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{tesi di dottorato}}%
1060 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Rapp. \ Tecnico}}%
1061 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Rapporto Tecnico}}%
1062 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{gennaio}}%
1063 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{febbraio}}%
1064 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{marzo}}%
1065 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{aprile}}%
1066 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{maggio}}%
1067 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{giugno}}%
1068 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{luglio}}%
1069 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{agosto}}%
1070 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{settembre}}%
1071 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{ottobre}}%
1072 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{novembre}}%
1073 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{dicembre}}%
1074 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{gen##1{}}}%
1075 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{feb##1{}}}%
1076 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mar##1{}}}%
1077 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{apr##1{}}}%
1078 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{mag##1{}}}%
1079 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{giu##1{}}}%
1080 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{lug##1{}}}%
1081 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{ago##1{}}}%
1082 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{set##1{}}}%
1083 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{ott##1{}}}%
1084 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
1085 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{dic##1{}}}%
1086 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Nel}}%
1087 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Nel}}%
1088 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Cur##1{}}}%
1089 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Curatore}}%
1090 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Cur##1{}}}%
1091 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Curatori}}%
1092 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
1093 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
1094 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
1095 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
1096 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{No##1{}}}%
1097 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Numero}}%

```

```

1098 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
1099 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edizione}}%
1100 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
1101 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
1102 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
1103 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Capitolo}}%
1104 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
1105 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Pagina}}%
1106 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
1107 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pagine}}%
1108 \def\Btxtechrepsshort##1{\protect\foreignlanguage{#1}{Rap. \ Tecnico}}%
1109 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Rapporto Tecnico}}%
1110 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, accesso a ##1}}%
1111 \def\btxfnamespaceshort{\,%
1112 \def\btxfnamespacelong{ }%
1113 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
1114 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

1115 \def\btxpriintmonthyearnum##1##2{##1/##2}%
1116 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%

```

Names of all known languages in the current language.

```

1117 \ifbbblanguagenames
1118 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{inglese}}%
1119 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{tedesco}}%
1120 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portoghese}}%
1121 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portoghese}}%
1122 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{inglese}}%
1123 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgaro}}%
1124 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{inglese}}%
1125 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{francese}}%
1126 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalano}}%
1127 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croato}}%
1128 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{ceco}}%
1129 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{danese}}%
1130 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{olandese}}%
1131 \def\btxlanguagename english{\protect\foreignlanguage{#1}{inglese}}%
1132 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
1133 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finlandese}}%
1134 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{francese}}%
1135 \def\btxlanguagename french{\protect\foreignlanguage{#1}{francese}}%
1136 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{francese}}%
1137 \def\btxlanguagename german{\protect\foreignlanguage{#1}{tedesco}}%
1138 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{tedesco}}%
1139 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{greco}}%
1140 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{ebreo}}%
1141 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{ungherese}}%
1142 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{islandese}}%
1143 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irlandese}}%
1144 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italiano}}%

```



```

1145 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latino}}%
1146 \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{tedesco}}%
1147 \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{tedesco}}%
1148 \def\btxlanguagenamenorsk{\protect\foreignlanguage{#1}{norvegese}}%
1149 \def\btxlanguagenamenynorsk{\protect\foreignlanguage{#1}{nuovo norvegese}}%
1150 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polacco}}%
1151 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portoghese}}%
1152 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portoghese}}%
1153 \def\btxlanguagenamerussian{\protect\foreignlanguage{#1}{russo}}%
1154 \def\btxlanguagenamescottish{\protect\foreignlanguage{#1}{scozzese}}%
1155 \def\btxlanguagenameserbian{\protect\foreignlanguage{#1}{serbo}}%
1156 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{spagnolo}}%
1157 \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{svedese}}%
1158 \def\btxlanguagenameturkish{\protect\foreignlanguage{#1}{turco}}%
1159 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{inglese}}%
1160 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{inglese}}%
1161 \fi
1162 }

```

Append the definitions to the language-calling commands.

```

1163 \AtBeginDocument{%
1164 \ifbbbfixlanguage
1165 \else
1166 \bbbaddto{italian}{bibsitalian}
1167 \fi

```

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

```

1168 \bbbaddto{italian}{btxifchangeoff}
1169 }
1170 </italian>

```

9.3.5 Greek

```
1171 <*greek>
```

The language definition for Greek was provided by Prokopis Prokopidis.

`\bibsreek` Bibliographic commands for Greek.

```

1172 \newcommand\bibsreek[1][greek]{%
1173 \def\biblanguage{#1}%
1174 \def\btxetalshort##1{\protect\foreignlanguage{#1}{k.'a##1}}%
1175 \def\btxetalong##1{\protect\foreignlanguage{#1}{kai 'alloi}}%
1176 \def\btxandshort##1{\protect\foreignlanguage{#1}{kai}}%
1177 \def\btxandlong##1{\protect\foreignlanguage{#1}{kai}}%
1178 \def\btxandcomma##1{,}%
1179 \def\btxinlong##1{\protect\foreignlanguage{#1}{sto}}%
1180 \def\btxinshort##1{\protect\foreignlanguage{#1}{sto}}%
1181 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{tou}}%
1182 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{sto}}%
1183 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{tou}}%

```

```

1184 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{sto}}%
1185 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{epim##1{}}}%
1186 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{epimelht'hc}}%
1187 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{epim##1{}}}%
1188 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{epimelht'ec}}%
1189 \def\btxxvolumeshort##1{\protect\foreignlanguage{#1}{t'om##1{}}}%
1190 \def\btxxvolumelong##1{\protect\foreignlanguage{#1}{t'omoc}}%
1191 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{'et##1{}}}%
1192 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{'etoc}}%
1193 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{ar##1{}}}%
1194 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{arjm'oc}}%
1195 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{'ekd##1{}}}%
1196 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{'ekdosh}}%
1197 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionshort{##2}}%
1198 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
1199 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{kef##1{}}}%
1200 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{kef'alaiio}}%
1201 \def\btxpageshort##1{\protect\foreignlanguage{#1}{sel##1{}}}%
1202 \def\btxpagelong##1{\protect\foreignlanguage{#1}{sel'ida}}%
1203 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{sel##1{}}}%
1204 \def\btxpageslong##1{\protect\foreignlanguage{#1}{sel'idec}}%
1205 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Metaptuqiak'h ergas'ia}}%
1206 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Didaktorik'h diatrib'h}}%
1207 \def\btxtechrepsshort##1{\protect\foreignlanguage{#1}{Teqn.\ anaf##1{}}}%
1208 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Teqnik'h anafor'a}}%
1209 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Ianou'arioc}}%
1210 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Febrou'arioc}}%
1211 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{M'artioc}}%
1212 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{Apr'iliioc}}%
1213 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{M'aioc}}%
1214 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Io'uniioc}}%
1215 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Io'uliioc}}%
1216 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{A'ugoustoc}}%
1217 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Sept'embriioc}}%
1218 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Okt'wbrioc}}%
1219 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{No'embriioc}}%
1220 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Dek'embriioc}}%
1221 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Ian##1{}}}%
1222 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
1223 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{M'ar##1{}}}%
1224 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
1225 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{M'ai}}%
1226 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Io'un##1{}}}%
1227 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Io'ul##1{}}}%
1228 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{A'ug##1{}}}%
1229 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sept##1{}}}%
1230 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
1231 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{No'e##1{}}}%
1232 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dek##1{}}}%
1233 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Sto}}%

```

```

1234 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Sto}}%
1235 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Epim##1{}}}%
1236 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Epimelht'hc}}%
1237 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Epim##1{}}}%
1238 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Epimelht'ec}}%
1239 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{T'om##1{}}}%
1240 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{T'omoc}}%
1241 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{'Etom##1{}}}%
1242 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{'Etoc}}%
1243 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Ar##1{}}}%
1244 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Arijm'oc}}%
1245 \def\Btxeditionsshort##1{\protect\foreignlanguage{#1}{'Ekd##1{}}}%
1246 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{'Ekdosh}}%
1247 \def\Btxeditionnumshort##1##2{\btxnumerallong{##1}~\Btxeditionshort{##2}}%
1248 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
1249 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Kef##1{}}}%
1250 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Kef'alaio}}%
1251 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Sel##1{}}}%
1252 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Sel'ida}}%
1253 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Sel##1{}}}%
1254 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Sel'idec}}%
1255 \def\Btxtechrepsshort##1{\protect\foreignlanguage{#1}{Teqn.\ Anaf##1{}}}%
1256 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Teqnik'h Anafor'a}}%
1257 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, ep'iskeyh thn ##1}}%
1258 \def\btxfnamespaceshort{\,}%
1259 \def\btxfnamespacelong{ }%
1260 \def\btxnumerallong##1{\protect\foreignlanguage{#1}{%
1261     \ifnumber{##1}{##1h}{##1}}}%
1262 \def\btxnumerallong##1{\protect\foreignlanguage{#1}{\ifnumber{##1}{%
1263     \ifcase##1 ##1h\or pr'wth\or de'uterh\or tr'ith\or t'etarth%
1264     \or p'empth\or 'ekth\or 'ebdomh\or 'ogdoh\or 'enath\else ##1h\fi
1265     }{##1}}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

1266 \def\btxprintmonthyearnum##1##2{##1/##2}%
1267 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}%

```

Names of all known languages in the current language.

```

1268 \ifbbblanguagenames
1269   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{agglik'a}}%
1270   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{germanik'a}}%
1271   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portogalik'a}}%
1272   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portogalik'a}}%
1273   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{agglik'a}}%
1274   \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{boulgarik'a}}%
1275   \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{agglik'a}}%
1276   \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{gallik'a}}%
1277   \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalanik'a}}%
1278   \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroatik'a}}%
1279   \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tseqik'a}}%
1280   \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{danik'a}}%

```

```

1281 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{ollandik'a}}%
1282 \def\btxlanguagenamenglish{\protect\foreignlanguage{#1}{agglik'a}}%
1283 \def\btxlanguagenamesesperanto{\protect\foreignlanguage{#1}{esperanto}}%
1284 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finlandik'a}}%
1285 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{gallik'a}}%
1286 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{gallik'a}}%
1287 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{gallik'a}}%
1288 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{germanik'a}}%
1289 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{germanik'a}}%
1290 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{ellhnik'a}}%
1291 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{ebra"ik'a}}%
1292 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{ougrik'a}}%
1293 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islandik'a}}%
1294 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irlandik'a}}%
1295 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italik'a}}%
1296 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latinik'a}}%
1297 \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{germanik'a}}%
1298 \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{germanik'a}}%
1299 \def\btxlanguagenamenorsk{\protect\foreignlanguage{#1}{norbhgik'a}}%
1300 \def\btxlanguagenamenynorsk{\protect\foreignlanguage{#1}{n'ea norbhgik'a}}%
1301 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polwnik'a}}%
1302 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portogalik'a}}%
1303 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portogalik'a}}%
1304 \def\btxlanguagenamerussian{\protect\foreignlanguage{#1}{rswik'a}}%
1305 \def\btxlanguagenamescottish{\protect\foreignlanguage{#1}{skwts'ezika}}%
1306 \def\btxlanguagenameserbian{\protect\foreignlanguage{#1}{serbik'a}}%
1307 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{ispanik'a}}%
1308 \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{souhdik'a}}%
1309 \def\btxlanguagenameturkish{\protect\foreignlanguage{#1}{tourkik'a}}%
1310 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{agglik'a}}%
1311 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{agglik'a}}%
1312 \fi
1313 }

```

Append the definitions to the language-calling commands.

```

1314 \AtBeginDocument{%
1315 \ifbbbfixlanguage
1316 \else
1317 \bbbaddto{greek}{bibsreek}
1318 \fi
1319 \bbbaddto{greek}{btxifchangeoff}
1320 }
1321 </greek>

```

9.3.6 Norwegian

```
1322 <*norsk>
```

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

\bibsorsk Bibliographic commands for Norsk.

```
1323 \newcommand\bibsorsk[1][norsk]{%
1324 \def\biblanguagename{#1}%
1325 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
1326 \def\btxetalldlong##1{\protect\foreignlanguage{#1}{et~alii{}}}%
1327 \def\btxandshort##1{\protect\foreignlanguage{#1}{og}}%
1328 \def\btxandldlong##1{\protect\foreignlanguage{#1}{og}}%
1329 \def\btxandcomma##1{,%
1330 \def\btxinlong##1{\protect\foreignlanguage{#1}{i}}%
1331 \def\btxinshort##1{\protect\foreignlanguage{#1}{i}}%
1332 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{av}}%
1333 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{i}}%
1334 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{av}}%
1335 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{i}}%
1336 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
1337 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redakt\o r}}%
1338 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
1339 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redakt\o rer}}%
1340 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{bd##1{}}}%
1341 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{bind}}%
1342 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
1343 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volum}}%
1344 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
1345 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nummer}}%
1346 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{utg##1{}}}%
1347 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{utgave}}%
1348 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}%
1349 \def\btxeditionnumlong##1##2{\btxnumeralldlong{##1}~\btxeditionldlong{##2}}%
1350 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{kap##1{}}}%
1351 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{kapittel}}%
1352 \def\btxpageshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
1353 \def\btxpagelong##1{\protect\foreignlanguage{#1}{side}}%
1354 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
1355 \def\btxpagelong##1{\protect\foreignlanguage{#1}{sider}}%
1356 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Masteroppgave}}%
1357 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{PhD-avhandling}}%
1358 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{tekn.\ rap##1{}}}%
1359 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{teknisk rapport}}%
1360 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januar}}%
1361 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februar}}%
1362 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Mars}}%
1363 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
1364 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mai}}%
1365 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
1366 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
1367 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{August}}%
1368 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
1369 \def\btxmonoclong##1{\protect\foreignlanguage{#1}{Oktober}}%
1370 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
```

```

1371 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Desember}}%
1372 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
1373 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
1374 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
1375 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
1376 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Mai}}%
1377 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
1378 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
1379 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
1380 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
1381 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
1382 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
1383 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Des##1{}}}%
1384 \def\Btxinlong##1{\protect\foreignlanguage{#1}{I}}%
1385 \def\Btxinshort##1{\protect\foreignlanguage{#1}{I}}%
1386 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
1387 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redakt\o r}}%
1388 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
1389 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redakt\o rer}}%
1390 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Bd##1{}}}%
1391 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Bind}}%
1392 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
1393 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volum}}%
1394 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
1395 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nummer}}%
1396 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Utg##1{}}}%
1397 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Utgave}}%
1398 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
1399 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
1400 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Kap##1{}}}%
1401 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Kapittel}}%
1402 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
1403 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Side}}%
1404 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
1405 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Sider}}%
1406 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Tekn.\ rap##1{}}}%
1407 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Teknisk rapport}}%
1408 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, sjekket: ##1}}%
1409 \def\btxfnamespaceshort{\,}%
1410 \def\btxfnamespacelong{ }%
1411 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
1412 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

1413 \def\btxprimonthyearnum##1##2{##1/##2}%
1414 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%

```

Names of all known languages in the current language.

```

1415 \ifbbblanguagenames
1416 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engelsk}}%
1417 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{tysk}}%

```

```

1418 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugisisk}}%
1419 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugisisk}}%
1420 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engelsk}}%
1421 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgarsk}}%
1422 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engelsk}}%
1423 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{fransk}}%
1424 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalansk}}%
1425 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroatisk}}%
1426 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tsjekkisk}}%
1427 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{dansk}}%
1428 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{nederlands}}%
1429 \def\btxlanguagename english{\protect\foreignlanguage{#1}{engelsk}}%
1430 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
1431 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finsk}}%
1432 \def\btxlanguagename french{\protect\foreignlanguage{#1}{fransk}}%
1433 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{fransk}}%
1434 \def\btxlanguagename german{\protect\foreignlanguage{#1}{tysk}}%
1435 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{tysk}}%
1436 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{\gr sk}}%
1437 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{hebraisk}}%
1438 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{ungarsk}}%
1439 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{islandsk}}%
1440 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irsk}}%
1441 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italiensk}}%
1442 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{latinsk}}%
1443 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{tysk}}%
1444 \def\btxlanguagename german{\protect\foreignlanguage{#1}{tysk}}%
1445 \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{norsk}}%
1446 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{nynorsk}}%
1447 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polsk}}%
1448 \def\btxlanguagename portugese{\protect\foreignlanguage{#1}{portugisisk}}%
1449 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugisisk}}%
1450 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{russisk}}%
1451 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{skotsk}}%
1452 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbisk}}%
1453 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{spansk}}%
1454 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{svensk}}%
1455 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{tyrkisk}}%
1456 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{engelsk}}%
1457 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{engelsk}}%
1458 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{engelsk}}%
1459 \fi
1460 }
1461 \newcommand\bibsnorwegian{\bibsnorsk}

```

Append the definitions to the language-calling commands.

```

1462 \AtBeginDocument{%
1463 \ifbbbfixlanguage
1464 \else
1465 \bbbaddto{norsk}{bibsnorsk}

```

```

1466 \fi
Switch off the change of case in titles for Norsk by appending \btxfchangepcaseoff
to \extrasnorsk.
1467 \bbbaddto{norsk}{btxfchangepcaseoff}
1468 }
1469 </norsk>

```

9.3.7 French

1470 < *french >

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

```

1471 \bbbifpackageloaded{french}{\newcommand\bibs french{}}
Bibliographic commands for French.
1472 \renewcommand\bibs french[1] [french] {%
1473 \def\biblangname{#1}%
1474 \def\btchetalshort##1{\protect\foreignlanguage{#1}{et~al##1}}%
1475 \def\btchetallong##1{\protect\foreignlanguage{#1}{et~alii}}%
1476 \def\btchandshort##1{\protect\foreignlanguage{#1}{et}}%
1477 \def\btchandlong##1{\protect\foreignlanguage{#1}{et}}%
1478 \def\btchandcomma##1{}%
1479 \def\btchinlong##1{\protect\foreignlanguage{#1}{dans}}%
1480 \def\btchinshort##1{\protect\foreignlanguage{#1}{dans}}%
1481 \def\btchseriesshort##1{\protect\foreignlanguage{#1}{de}}%
1482 \def\btchserieslong##1{\protect\foreignlanguage{#1}{dans}}%
1483 \def\btchserieslong##1{\protect\foreignlanguage{#1}{de}}%
1484 \def\btchserieslong##1{\protect\foreignlanguage{#1}{dans}}%
1485 \def\btcheditorshort##1{\protect\foreignlanguage{#1}{r'ed##1}}%
1486 \def\btcheditorlong##1{\protect\foreignlanguage{#1}{r'edacteur}}%
1487 \def\btcheditorshort##1{\protect\foreignlanguage{#1}{r'eds##1}}%
1488 \def\btcheditorslong##1{\protect\foreignlanguage{#1}{r'edacteurs}}%
1489 \def\btchvolumeshort##1{\protect\foreignlanguage{#1}{t##1}}%
1490 \def\btchvolumelong##1{\protect\foreignlanguage{#1}{tome}}%
1491 \def\btchjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1}}%
1492 \def\btchjvolumelong##1{\protect\foreignlanguage{#1}{volume}}%
1493 \def\btchnumbershort##1{\protect\foreignlanguage{#1}{%
1494 n\textsuperscript{o}\kern.2em\relax}}%
1495 \def\btchnumberlong##1{\protect\foreignlanguage{#1}{num'ero}}%
1496 \def\btcheditionshort##1{\protect\foreignlanguage{#1}{\ 'ed##1}}%
1497 \def\btcheditionlong##1{\protect\foreignlanguage{#1}{\ 'edition}}%
1498 \def\btcheditionnumshort##1##2{\btchnumeralshort{##1}~\btcheditionshort{##2}}%
1499 \def\btcheditionnumlong##1##2{\btchnumerallong{##1}~\btcheditionlong{##2}}%
1500 \def\btchchaptershort##1{\protect\foreignlanguage{#1}{chap##1}}%
1501 \def\btchchapterlong##1{\protect\foreignlanguage{#1}{chapitre}}%
1502 \def\btchpageshort##1{\protect\foreignlanguage{#1}{p##1}}%
1503 \def\btchpagelong##1{\protect\foreignlanguage{#1}{page}}%
1504 \def\btchpageshort##1{\protect\foreignlanguage{#1}{p##1}}%
1505 \def\btchpageslong##1{\protect\foreignlanguage{#1}{pages}}%

```



```

1506 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{M\`emoire de ma\`itrise}}%
1507 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Th\`ese de doctorat}}%
1508 \def\btxtechrephshort##1{\protect\foreignlanguage{#1}{rap.\ tech##1{}}}%
1509 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{rapport technique}}%
1510 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{janvier}}%
1511 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{f\`evrier}}%
1512 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{mars}}%
1513 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{avril}}%
1514 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{mai}}%
1515 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{juin}}%
1516 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{juillet}}%
1517 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{ao\`ut}}%
1518 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{septembre}}%
1519 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{octobre}}%
1520 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{novembre}}%
1521 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{d\`ecembre}}%
1522 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{jan##1{}}}%
1523 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{f\`ev##1{}}}%
1524 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mar##1{}}}%
1525 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{avr##1{}}}%
1526 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{mai}}%
1527 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{juin}}%
1528 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{juil##1{}}}%
1529 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{ao\`ut}}%
1530 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{sept##1{}}}%
1531 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{oct##1{}}}%
1532 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
1533 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{d\`ec##1{}}}%
1534 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Dans}}%
1535 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Dans}}%
1536 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{R\`ed##1{}}}%
1537 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{R\`edacteur}}%
1538 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{R\`eds##1{}}}%
1539 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{R\`edacteurs}}%
1540 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{T##1{}}}%
1541 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Tome}}%
1542 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
1543 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
1544 \def\Btxnumbersshort##1{\protect\foreignlanguage{#1}{%
1545     N\textsuperscript{o}\kern.2em\relax}}%
1546 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Num\`ero}}%
1547 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{\`Ed##1{}}}%
1548 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{\`Edition}}%
1549 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
1550 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
1551 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Chap##1{}}}%
1552 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Chapitre}}%
1553 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
1554 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Page}}%
1555 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{P##1{}}}%

```

```

1556 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pages}}%
1557 \def\Btxtechrephshort##1{\protect\foreignlanguage{#1}{Rap. tech##1{}}}%
1558 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Rapport technique}}%
1559 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, visit\`e le ##1}}%
1560 \def\btxfnamespaceshort{\,}%
1561 \def\btxfnamespacelong{ }%
1562 \def\btxnumeralshort##1{\btxnumeralfrench{#1}{##1}}%
1563 \def\btxnumerallong##1{\btxnumeralfrench{#1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

1564 \def\btxprimonthyearnum##1##2{##1/##2}%
1565 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%

```

Names of all known languages in the current language.

```

1566 \ifbbblanguagenames
1567 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{anglais}}%
1568 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{allemand}}%
1569 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugais}}%
1570 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugais}}%
1571 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{anglais}}%
1572 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgare}}%
1573 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{anglais}}%
1574 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{fran\c{c}ais}}%
1575 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalan}}%
1576 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croate}}%
1577 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tch\`eque}}%
1578 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{danois}}%
1579 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{n\`eerlandais}}%
1580 \def\btxlanguagename english{\protect\foreignlanguage{#1}{anglais}}%
1581 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
1582 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finnois}}%
1583 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{fran\c{c}ais}}%
1584 \def\btxlanguagename french{\protect\foreignlanguage{#1}{fran\c{c}ais}}%
1585 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{fran\c{c}ais}}%
1586 \def\btxlanguagename german{\protect\foreignlanguage{#1}{allemand}}%
1587 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{allemand}}%
1588 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{grec}}%
1589 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{h\`ebre}}%
1590 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{hongrois}}%
1591 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{islandais}}%
1592 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irlandais}}%
1593 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italien}}%
1594 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{latin}}%
1595 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{allemand}}%
1596 \def\btxlanguagename german{\protect\foreignlanguage{#1}{allemand}}%
1597 \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{norv\`egien}}%
1598 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{nouveau
1599 norv\`egien}}%
1600 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polonais}}%
1601 \def\btxlanguagename portugese{\protect\foreignlanguage{#1}{portugais}}%
1602 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugais}}%

```

```

1603 \def\btxlanguagenamerussian{\protect\foreignlanguage{#1}{russe}}%
1604 \def\btxlanguagenamescottish{\protect\foreignlanguage{#1}{\`ecossais}}%
1605 \def\btxlanguagenameserbian{\protect\foreignlanguage{#1}{serbe}}%
1606 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{espagnol}}%
1607 \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{su\`edois}}%
1608 \def\btxlanguagenameturkish{\protect\foreignlanguage{#1}{turc}}%
1609 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{anglais}}%
1610 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{anglais}}%
1611 \fi
1612 }

```

Copy the commands to the other languages.

```

1613 \newcommand\bibsfrançais{\bibsfrrench[français]}
1614 \newcommand\bibsfrençhb{\bibsfrrench[frençhb]}
1615 \newcommand\bibscanadien{\bibsfrrench[canadien]}

```

Append the definitions to the language-calling commands.

```

1616 \AtBeginDocument{%
1617 \ifbbbfixlanguage
1618 \else
1619 \bbbaddto{français}{bibsfrançais}
1620 \bbbaddto{frençh}{bibsfrrench}
1621 \bbbaddto{frençhb}{bibsfrénçhb}
1622 \bbbaddto{canadien}{bibsacanadien}
1623 \fi

```

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

```

1624 \bbbaddto{français}{btxifchangeoff}
1625 \bbbaddto{frençh}{btxifchangeoff}
1626 \bbbaddto{frençhb}{btxifchangeoff}
1627 \bbbaddto{canadien}{btxifchangeoff}
1628 }
1629 </french>

```

9.3.8 Romanian

1630 `<*romanian>`

`\bibsromanian` Bibliographic commands for Romanian.

```

1631 \newcommand\bibsromanian[1][romanian]{%
1632 \def\biblanguagename{#1}%
1633 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1}}%
1634 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~alii}}%
1635 \def\btxandshort##1{\protect\foreignlanguage{#1}{\hspace{-1.5ex}}}%
1636 \def\btxandlong##1{\protect\foreignlanguage{#1}{\c{s}i}}%
1637 \def\btxandcomma##1{,}%
1638 \def\btxinlong##1{\protect\foreignlanguage{#1}{\`{i}n}}%
1639 \def\btxinshort##1{\protect\foreignlanguage{#1}{\`{i}n}}%
1640 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{din seria}}%

```

```

1641 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{\^{\i}n}}%
1642 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{din seria}}%
1643 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{\^{\i}n}}%
1644 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
1645 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}%
1646 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
1647 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editori}}%
1648 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
1649 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volumul}}%
1650 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{an##1{}}}%
1651 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{anul}}%
1652 \def\btxnumbersshort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
1653 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{num\~{a}rul}}%
1654 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{Ed{##1}}}%
1655 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{Edi{c{t}ia}}%
1656 \def\btxeditionnumshort##1##2{\btxeditionshort{##2}\~{btxnumeralshort{##1}}}%
1657 \def\btxeditionnumlong##1##2{\btxeditionlong{##2}\~{btxnumerallong{##1}}}%
1658 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1{}}}%
1659 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{capitolul}}%
1660 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
1661 \def\btxpagelong##1{\protect\foreignlanguage{#1}{pagina}}%
1662 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
1663 \def\btxpageslong##1{\protect\foreignlanguage{#1}{paginile}}%
1664 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{%
1665 Tez\~{a} de dizerta{c{t}ie}}%
1666 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Tez\~{a} de doctorat}}%
1667 \def\btxttechrepsshort##1{\protect\foreignlanguage{#1}{Rap.\ teh##1{}}}%
1668 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{Raport tehnic}}%
1669 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{ianuarie}}%
1670 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{februarie}}%
1671 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{martie}}%
1672 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{aprilie}}%
1673 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{mai}}%
1674 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{iunie}}%
1675 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{iulie}}%
1676 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{august}}%
1677 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{septembrie}}%
1678 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{octombrie}}%
1679 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{noiembrie}}%
1680 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{decembrie}}%
1681 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{ian##1{}}}%
1682 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{feb##1{}}}%
1683 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mart##1{}}}%
1684 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{apr##1{}}}%
1685 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{mai}}%
1686 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{iun}}%
1687 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{iul}}%
1688 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{aug##1{}}}%
1689 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{sept##1{}}}%
1690 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{oct##1{}}}%

```

```

1691 \def\btixonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
1692 \def\btxondecshort##1{\protect\foreignlanguage{#1}{dec##1{}}}%
1693 \def\btxinshort##1{\protect\foreignlanguage{#1}{\~{I}}}%
1694 \def\btxinshort##1{\protect\foreignlanguage{#1}{\~{I}}}%
1695 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
1696 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}}%
1697 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
1698 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{Editori}}}%
1699 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
1700 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{Volumul}}}%
1701 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{An##1{}}}%
1702 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{Anul}}}%
1703 \def\btxnumbersshort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
1704 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{Num\~{a}}}%
1705 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{\hskip-1.5ex}}}%
1706 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{\hskip-1.5ex}}}%
1707 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}\~{Btxeditionsshort{##2}}}%
1708 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}\~{Btxeditionlong{##2}}}%
1709 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
1710 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{Capitolul}}}%
1711 \def\btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
1712 \def\btxpagelong##1{\protect\foreignlanguage{#1}{Pagina}}}%
1713 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
1714 \def\btxpageslong##1{\protect\foreignlanguage{#1}{Paginile}}}%
1715 \def\btxttechrepshort##1{\protect\foreignlanguage{#1}{Rap.\ teh##1{}}}%
1716 \def\btxttechreplong##1{\protect\foreignlanguage{#1}{Raport tehnic}}}%
1717 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, accesat la ##1}}}%
1718 \def\btxfnamespaceshort{}%
1719 \def\btxfnamespacelong{ }%
1720 \def\btxnumeralshort##1{\btxnumeralromanian{#1}{##1}}}%
1721 \def\btxnumerallong##1{\btxnumeralromanian{#1}{##1}}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

1722 \def\btxprintmonthyearnum##1##2{##1/##2}%
1723 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
1724 \ifbbblanguagenames
1725   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{englez\~{a}}}%
1726   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{german\~{a}}}%
1727   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portughez\~{a}}}%
1728   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portughez\~{a}}}%
1729   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{englez\~{a}}}%
1730   \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgar\~{a}}}%
1731   \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{englez\~{a}}}%
1732   \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{francez\~{a}}}%
1733   \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{cataln\~{a}}}%
1734   \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croat\~{a}}}%
1735   \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{ceh\~{a}}}%
1736   \def\btxlanguagename danish{\protect\foreignlanguage{#1}{danez\~{a}}}%
1737   \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{olandez\~{a}}}%
1738   \def\btxlanguagename english{\protect\foreignlanguage{#1}{englez\~{a}}}%

```

```

1739 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
1740 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finlandez\~{a}}}%
1741 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{fracez\~{a}}}%
1742 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{francez\~{a}}}%
1743 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{francez\~{a}}}%
1744 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{german\~{a}}}%
1745 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{german\~{a}}}%
1746 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{greac\~{a}}}%
1747 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{ebraic\~{a}}}%
1748 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{ungar\~{a}}}%
1749 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islandez\~{a}}}%
1750 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irlandez\~{a}}}%
1751 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italian\~{a}}}%
1752 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latin\~{a}}}%
1753 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{german\~{a}}}%
1754 \def\btxlanguagenamegermanf{\protect\foreignlanguage{#1}{german\~{a}}}%
1755 \def\btxlanguagenameenorsk{\protect\foreignlanguage{#1}{norwegian\~{a}}}%
1756 \def\btxlanguagenameenynorsk{\protect\foreignlanguage{#1}{neo-norwegian\~{a}}}%
1757 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polonez\~{a}}}%
1758 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portughez\~{a}}}%
1759 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portughez\~{a}}}%
1760 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{rus\~{a}}}%
1761 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{sco\c{t}ian\~{a}}}%
1762 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{s\~{i}rb\~{a}}}%
1763 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{spaniol\~{a}}}%
1764 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{suedez\~{a}}}%
1765 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{tunc\~{a}}}%
1766 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{englez\~{a}}}%
1767 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{englez\~{a}}}%
1768 \fi
1769 }

```

Append the definitions to the language-calling commands.

```

1770 \AtBeginDocument{%
1771 \ifbbbfixlanguage
1772 \else
1773 \bbbaddto{romanian}{bibsromanian}
1774 \fi

Switch off the change of case in titles for all Romanian dialects by appending
\btixifchangeoff to \extras<language>.
1775 \bbbaddto{romanian}{btixifchangeoff}
1776 }
1777 </romanian>

```

9.3.9 Russian

```
1778 <*russian>
```

`\bibrussian` Bibliographic commands for Russian.

```

1779 \newcommand\bibsrussian[1][russian]{%
1780   \def\biblanguagename{#1}%
1781   \def\btxetalshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri }~\IeC
1782     {\cyrd } \IeC {\cyrr }.##1{}}}%
1783   \def\btxetalshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri }~\IeC
1784     {\cyrd } \IeC {\cyrr } \IeC {\cyru } \IeC {\cyrg } \IeC {\cyri } \IeC
1785     {\cyre }}}}%
1786   \def\btxandshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri }}}}%
1787   \def\btxandlong##1{\protect\foreignlanguage{#1}{\IeC {\cyri }}}}%
1788   \def\btxandcomma##1{,}%
1789   \def\btxinlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrv }}}}%
1790   \def\btxinshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrv }}}}%
1791   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri
1792     } \IeC {\cyrz }}}}%
1793   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrv }}}}%
1794   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{\IeC {\cyri
1795     } \IeC {\cyrz }}}}%
1796   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{\IeC {\cyrv }}}}%
1797   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1798     } \IeC {\cyre } \IeC {\cyrd }.##1{}}}%
1799   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrr } \IeC
1800     {\cyre } \IeC {\cyrd } \IeC {\cyra } \IeC {\cyrk } \IeC {\cyrt } \IeC
1801     {\cyro } \IeC {\cyrr }}}}%
1802   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1803     } \IeC {\cyre } \IeC {\cyrd }.##1{}}}%
1804   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1805     } \IeC {\cyre } \IeC {\cyrd } \IeC {\cyra } \IeC {\cyrk } \IeC {\cyrt
1806     } \IeC {\cyro } \IeC {\cyrr } \IeC {\cyrery }}}}%
1807   \def\btxvolumeshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrt }.##1{}}}%
1808   \def\btxvolumelong##1{\protect\foreignlanguage{#1}{\IeC {\cyrt } \IeC
1809     {\cyro } \IeC {\cyrm }}}}%
1810   \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrt }.##1{}}}%
1811   \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{\IeC {\cyrt } \IeC
1812     {\cyro } \IeC {\cyrm }}}}%
1813   \def\btxnumbershort##1{\protect\foreignlanguage{#1}{%
1814     n\textsuperscript{\underline{o}}}}}%
1815   \def\btxnumberlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrn } \IeC
1816     {\cyro } \IeC {\cyrm } \IeC {\cyre } \IeC {\cyrr }}}}%
1817   \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1818     } \IeC {\cyre } \IeC {\cyrd }.##1{}}}%
1819   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrr
1820     } \IeC {\cyre } \IeC {\cyrd } \IeC {\cyra } \IeC {\cyrk } \IeC {\cyrc
1821     } \IeC {\cyri } \IeC {\cyrya }}}}%
1822   \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}}%
1823   \def\btxeditionnumlong##1##2{\btxnumeralshort{##1}~\btxeditionlong{##2}}}%
1824   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{\IeC {\cyrg
1825     } \IeC {\cyrl }.##1{}}}%
1826   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrg
1827     } \IeC {\cyrl } \IeC {\cyra } \IeC {\cyrv } \IeC {\cyra }}}}%
1828   \def\btxpageshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrp } \IeC

```

```

1829     {\cyrt }\IeC {\cyrr }.##1{}}}%
1830 \def\btxpagelong##1{\protect\foreignlanguage{#1}{\IeC {\cyrs }\IeC
1831     {\cyrt }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyri }\IeC
1832     {\cyrc }\IeC {\cyra }}}}%
1833 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrs }\IeC
1834     {\cyrt }\IeC {\cyrr }.##1{}}}%
1835 \def\btxpageslong##1{\protect\foreignlanguage{#1}{\IeC {\cyrs }\IeC
1836     {\cyrt }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyri }\IeC
1837     {\cyrc }\IeC {\cyrery }}}}%
1838 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{\IeC {\CYRD }\IeC
1839     {\cyri }\IeC {\cyrp }\IeC {\cyr1 }\IeC {\cyro }\IeC {\cyrm }
1840     \IeC {\cyrn }\IeC {\cyra }\IeC {\cyrq }\IeC {\cyri }\IeC {\cyrs
1841     }\IeC {\cyrt }\IeC {\cyrr }\IeC {\cyra }}}}%
1842 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{\IeC {\CYRK }\IeC
1843     {\cyra }\IeC {\cyrn }\IeC {\cyrd }\IeC {\cyri }\IeC {\cyrd }\IeC
1844     {\cyra }\IeC {\cyrt }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyra }\IeC
1845     {\cyrya } \IeC {\cyrd }\IeC {\cyri }\IeC {\cyrs }\IeC {\cyrs
1846     }\IeC {\cyre }\IeC {\cyrr }\IeC {\cyrt }\IeC {\cyra }\IeC {\cyrc
1847     }\IeC {\cyri }\IeC {\cyrya }}}}%
1848 \def\btxtechrephshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrt
1849     }\IeC {\cyre }\IeC {\cyrh }. \IeC {\cyro }\IeC {\cyrt }\IeC
1850     {\cyrch }\IeC {\cyre }\IeC {\cyrt }##1{}}}%
1851 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{\IeC {\cyrt
1852     }\IeC {\cyre }\IeC {\cyrh }\IeC {\cyrn }\IeC {\cyri }\IeC
1853     {\cyrch }\IeC {\cyre }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri
1854     }\IeC {\cyrishrt } \IeC {\cyro }\IeC {\cyrt }\IeC {\cyrch }\IeC
1855     {\cyre }\IeC {\cyrt }}}}%
1856 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrya
1857     }\IeC {\cyrn }\IeC {\cyrv }\IeC {\cyra }\IeC {\cyrr }\IeC
1858     {\cyrstsn }}}}%
1859 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{\IeC {\cyrf }\IeC
1860     {\cyre }\IeC {\cyrv }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyr1 }\IeC
1861     {\cyrstsn }}}}%
1862 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrm }\IeC
1863     {\cyra }\IeC {\cyrr }\IeC {\cyrt }}}}%
1864 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{\IeC {\cyra }\IeC
1865     {\cyrp }\IeC {\cyrr }\IeC {\cyre }\IeC {\cyr1 }\IeC {\cyrstsn
1866     }}}}%
1867 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{\IeC {\cyrm }\IeC
1868     {\cyra }\IeC {\cyrishrt }}}}%
1869 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{\IeC {\cyri }\IeC
1870     {\cyryu }\IeC {\cyrn }\IeC {\cyrstsn }}}}%
1871 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{\IeC {\cyri }\IeC
1872     {\cyryu }\IeC {\cyr1 }\IeC {\cyrstsn }}}}%
1873 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{\IeC {\cyra }\IeC
1874     {\cyrv }\IeC {\cyrq }\IeC {\cyru }\IeC {\cyrs }\IeC {\cyrt }}}}%
1875 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{\IeC {\cyrs }\IeC
1876     {\cyre }\IeC {\cyrn }\IeC {\cyrt }\IeC {\cyrya }\IeC {\cyrb
1877     }\IeC {\cyrr }\IeC {\cyrstsn }}}}%
1878 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{\IeC {\cyro }\IeC

```



```

1879     {\cyrk }\IeC {\cyrt }\IeC {\cyrya }\IeC {\cyrb }\IeC {\cyrr
1880     }\IeC {\cyrstsn }}}%
1881 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{\IeC {\cyrn }\IeC
1882     {\cyro }\IeC {\cyrya }\IeC {\cyrb }\IeC {\cyrr }\IeC {\cyrstsn
1883     }}}}%
1884 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{\IeC {\cyrd }\IeC
1885     {\cyre }\IeC {\cyrk }\IeC {\cyra }\IeC {\cyrb }\IeC {\cyrr }\IeC
1886     {\cyrstsn }}}%
1887 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrya
1888     }\IeC {\cyrn }\IeC {\cyrv }.##1{}}}%
1889 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrf
1890     }\IeC {\cyre }\IeC {\cyrv }.##1{}}}%
1891 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrm
1892     }\IeC {\cyra }\IeC {\cyrr }.##1{}}}%
1893 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{\IeC {\cyra
1894     }\IeC {\cyrp }\IeC {\cyrr }.##1{}}}%
1895 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrm
1896     }\IeC {\cyra }\IeC {\cyrishrt }}}%
1897 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri
1898     }\IeC {\cyryu }\IeC {\cyrn }\IeC {\cyrstsn }##1{}}}%
1899 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{\IeC {\cyri
1900     }\IeC {\cyryu }\IeC {\cyrl }\IeC {\cyrstsn }##1{}}}%
1901 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{\IeC {\cyra
1902     }\IeC {\cyrv }\IeC {\cyrg }.##1{}}}%
1903 \def\btxmonsepshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrstsn
1904     }\IeC {\cyre }\IeC {\cyrn }.##1{}}}%
1905 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{\IeC {\cyro
1906     }\IeC {\cyrk }\IeC {\cyrt }.##1{}}}%
1907 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrn
1908     }\IeC {\cyro }\IeC {\cyrya }.##1{}}}%
1909 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{\IeC {\cyrd
1910     }\IeC {\cyre }\IeC {\cyrk }.##1{}}}%
1911 \def\Btxinlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRV }}}}%
1912 \def\Btxinshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRV }}}}%
1913 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1914     }\IeC {\cyre }\IeC {\cyrd }.##1{}}}%
1915 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRR }\IeC
1916     {\cyre }\IeC {\cyrd }\IeC {\cyra }\IeC {\cyrk }\IeC {\cyrt }\IeC
1917     {\cyro }\IeC {\cyrr }}}%
1918 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1919     }\IeC {\cyre }\IeC {\cyrd }.##1{}}}%
1920 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1921     }\IeC {\cyre }\IeC {\cyrd }\IeC {\cyra }\IeC {\cyrk }\IeC {\cyrt
1922     }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrery }}}%
1923 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRT }.##1{}}}%
1924 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{\IeC {\CYRT }\IeC
1925     {\cyro }\IeC {\cyrm }}}%
1926 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRT }.##1{}}}%
1927 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{\IeC {\CYRT }\IeC
1928     {\cyro }\IeC {\cyrm }}}%

```

```

1929 \def\Btxnumbersshort##1{\protect\foreignlanguage{#1}{%
1930     N\textsuperscript{\underline{o}}}}%
1931 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRN } \IeC
1932     {\cyro } \IeC {\cyrm } \IeC {\cyre } \IeC {\cyrr }}}%
1933 \def\Btxeditionsshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1934     } \IeC {\cyre } \IeC {\cyrd }.##1{}}}%
1935 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRR
1936     } \IeC {\cyre } \IeC {\cyrd } \IeC {\cyra } \IeC {\cyrk } \IeC {\cyrc
1937     } \IeC {\cyri } \IeC {\cyrya }}}%
1938 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionsshort{##2}}%
1939 \def\Btxeditionnumlong##1##2{\btxnumeralallong{##1}~\Btxeditionlong{##2}}%
1940 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{\IeC {\CYRG
1941     } \IeC {\cyrl }.##1{}}}%
1942 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{\IeC {\CYRG
1943     } \IeC {\cyrl } \IeC {\cyra } \IeC {\cyrv } \IeC {\cyra }}}%
1944 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRS } \IeC
1945     {\cyrt } \IeC {\cyrr }.##1{}}}%
1946 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{\IeC {\CYRS } \IeC
1947     {\cyrt } \IeC {\cyrr } \IeC {\cyra } \IeC {\cyrn } \IeC {\cyri } \IeC
1948     {\cyrc } \IeC {\cyra }}}%
1949 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRS } \IeC
1950     {\cyrt } \IeC {\cyrr }.##1{}}}%
1951 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{\IeC {\CYRS } \IeC
1952     {\cyrt } \IeC {\cyrr } \IeC {\cyra } \IeC {\cyrn } \IeC {\cyri } \IeC
1953     {\cyrc } \IeC {\cyrery }}}%
1954 \def\Btxtechrepsshort##1{\protect\foreignlanguage{#1}{\IeC {\CYRT
1955     } \IeC {\cyre } \IeC {\cyrh }. \ \IeC {\cyro } \IeC {\cyrt } \IeC
1956     {\cyrch } \IeC {\cyre } \IeC {\cyrt } ##1{}}}%
1957 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{\IeC {\CYRT
1958     } \IeC {\cyre } \IeC {\cyrh } \IeC {\cyrn } \IeC {\cyri } \IeC
1959     {\cyrch } \IeC {\cyre } \IeC {\cyrs } \IeC {\cyrk } \IeC {\cyri
1960     } \IeC {\cyrishrt } \IeC {\cyro } \IeC {\cyrt } \IeC {\cyrch } \IeC
1961     {\cyre } \IeC {\cyrt }}}%
1962 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, \IeC {\cyrp
1963     } \IeC {\cyro } \IeC {\cyrs } \IeC {\cyre } \IeC {\cyrshch } \IeC
1964     {\cyre } \IeC {\cyrn } \IeC {\cyro } ##1}}%
1965 \def\btxfnamespaceshort{\,%
1966     \def\btxfnamespacelong{ }%
1967     \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
1968     \def\btxnumeralallong##1{\btxnumeralfallback{#1}{##1}}%

```

Define how to print month and year in numeric format, e.g. MM/YYYY.

```

1969 \def\btxprintmonthyearnum##1##2{##1/##2}%
1970 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
1971 \ifbbblanguagenames
1972     \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{\IeC
1973         {\cyra } \IeC {\cyrn } \IeC {\cyrg } \IeC {\cyrl } \IeC {\cyri
1974         } \IeC {\cyrishrt } \IeC {\cyrs } \IeC {\cyrk } \IeC {\cyri } \IeC
1975         {\cyrishrt }}}%
1976     \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{\IeC

```

```

1977     {\cyra }\IeC {\cyrv }\IeC {\cyrs }\IeC {\cyrt }\IeC {\cyrr
1978     }\IeC {\cyri }\IeC {\cyrishrt }\IeC {\cyrs }\IeC {\cyrk }\IeC
1979     {\cyri }\IeC {\cyrishrt }}}%
1980 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{\IeC
1981     {\cyrp }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrt }\IeC {\cyru
1982     }\IeC {\cyrg }\IeC {\cyra }\IeC {\cyrl }\IeC {\cyrstfn }\IeC
1983     {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1984 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{\IeC
1985     {\cyrp }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrt }\IeC {\cyru
1986     }\IeC {\cyrg }\IeC {\cyra }\IeC {\cyrl }\IeC {\cyrstfn }\IeC
1987     {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC {\cyrishrt }}}%
1988 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{\IeC
1989     {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyrl }\IeC {\cyri
1990     }\IeC {\cyrishrt }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC
1991     {\cyrishrt }}}%
1992 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{\IeC
1993     {\cyrb }\IeC {\cyro }\IeC {\cyrl }\IeC {\cyrg }\IeC {\cyra
1994     }\IeC {\cyrr }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC
1995     {\cyrishrt }}}%
1996 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{\IeC
1997     {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyrl }\IeC {\cyri
1998     }\IeC {\cyrishrt }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC
1999     {\cyrishrt }}}%
2000 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{\IeC
2001     {\cyrf }\IeC {\cyrr }\IeC {\cyra }\IeC {\cyrn }\IeC {\cyrc
2002     }\IeC {\cyru }\IeC {\cyrz }\IeC {\cyrs }\IeC {\cyrk }\IeC
2003     {\cyri }\IeC {\cyrishrt }}}%
2004 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{\IeC
2005     {\cyrk }\IeC {\cyra }\IeC {\cyrt }\IeC {\cyra }\IeC {\cyrl
2006     }\IeC {\cyro }\IeC {\cyrn }\IeC {\cyrs }\IeC {\cyrk }\IeC
2007     {\cyri }\IeC {\cyrishrt }}}%
2008 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{\IeC
2009     {\cyrh }\IeC {\cyro }\IeC {\cyrr }\IeC {\cyrv }\IeC {\cyra
2010     }\IeC {\cyrt }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC
2011     {\cyrishrt }}}%
2012 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{\IeC
2013     {\cyrch }\IeC {\cyre }\IeC {\cyrsh }\IeC {\cyrs }\IeC {\cyrk
2014     }\IeC {\cyri }\IeC {\cyrishrt }}}%
2015 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{\IeC
2016     {\cyrd }\IeC {\cyra }\IeC {\cyrt }\IeC {\cyrs }\IeC {\cyrk
2017     }\IeC {\cyri }\IeC {\cyrishrt }}}%
2018 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{\IeC {\cyrg
2019     }\IeC {\cyro }\IeC {\cyrl }\IeC {\cyrl }\IeC {\cyra }\IeC
2020     {\cyrn }\IeC {\cyrd }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri
2021     }\IeC {\cyrishrt }}}%
2022 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{\IeC
2023     {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyrl }\IeC {\cyri
2024     }\IeC {\cyrishrt }\IeC {\cyrs }\IeC {\cyrk }\IeC {\cyri }\IeC
2025     {\cyrishrt }}}%
2026 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{\IeC

```

```

2027     {\cyrerev } \IeC {\cyr s } \IeC {\cyrp } \IeC {\cyre } \IeC {\cyrr
2028     } \IeC {\cyra } \IeC {\cyrn } \IeC {\cyrt } \IeC {\cyro } } } %
2029 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{\IeC
2030     {\cyrf } \IeC {\cyri } \IeC {\cyrn } \IeC {\cyr s } \IeC {\cyrk
2031     } \IeC {\cyri } \IeC {\cyrishrt } } } %
2032 \def\btxlanguagenamefranceis{\protect\foreignlanguage{#1}{\IeC
2033     {\cyrf } \IeC {\cyrr } \IeC {\cyra } \IeC {\cyrn } \IeC {\cyrc
2034     } \IeC {\cyru } \IeC {\cyrz } \IeC {\cyr s } \IeC {\cyrk } \IeC
2035     {\cyri } \IeC {\cyrishrt } } } %
2036 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{\IeC
2037     {\cyrf } \IeC {\cyrr } \IeC {\cyra } \IeC {\cyrn } \IeC {\cyrc
2038     } \IeC {\cyru } \IeC {\cyrz } \IeC {\cyr s } \IeC {\cyrk } \IeC
2039     {\cyri } \IeC {\cyrishrt } } } %
2040 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{\IeC
2041     {\cyrf } \IeC {\cyrr } \IeC {\cyra } \IeC {\cyrn } \IeC {\cyrc
2042     } \IeC {\cyru } \IeC {\cyrz } \IeC {\cyr s } \IeC {\cyrk } \IeC
2043     {\cyri } \IeC {\cyrishrt } } } %
2044 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{\IeC
2045     {\cyrn } \IeC {\cyre } \IeC {\cyr m } \IeC {\cyre } \IeC {\cyrc
2046     } \IeC {\cyrk } \IeC {\cyri } \IeC {\cyrishrt } } } %
2047 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{\IeC
2048     {\cyrn } \IeC {\cyre } \IeC {\cyr m } \IeC {\cyre } \IeC {\cyrc
2049     } \IeC {\cyrk } \IeC {\cyri } \IeC {\cyrishrt } } } %
2050 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{\IeC {\cyrg
2051     } \IeC {\cyrr } \IeC {\cyre } \IeC {\cyrch } \IeC {\cyre } \IeC
2052     {\cyr s } \IeC {\cyrk } \IeC {\cyri } \IeC {\cyrishrt } } } %
2053 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{\IeC
2054     {\cyre } \IeC {\cyrv } \IeC {\cyrr } \IeC {\cyre } \IeC {\cyrishrt
2055     } \IeC {\cyr s } \IeC {\cyrk } \IeC {\cyri } \IeC {\cyrishrt } } } %
2056 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{\IeC
2057     {\cyrv } \IeC {\cyre } \IeC {\cyrn } \IeC {\cyrg } \IeC {\cyre
2058     } \IeC {\cyrr } \IeC {\cyr s } \IeC {\cyrk } \IeC {\cyri } \IeC
2059     {\cyrishrt } } } %
2060 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{\IeC
2061     {\cyri } \IeC {\cyr s } \IeC {\cyrl } \IeC {\cyra } \IeC {\cyrn
2062     } \IeC {\cyrd } \IeC {\cyr s } \IeC {\cyrk } \IeC {\cyri } \IeC
2063     {\cyrishrt } } } %
2064 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{\IeC {\cyri
2065     } \IeC {\cyrr } \IeC {\cyrl } \IeC {\cyra } \IeC {\cyrn } \IeC
2066     {\cyrd } \IeC {\cyr s } \IeC {\cyrk } \IeC {\cyri } \IeC {\cyrishrt
2067     } } } %
2068 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{\IeC
2069     {\cyri } \IeC {\cyrt } \IeC {\cyra } \IeC {\cyrl } \IeC {\cyr sftsn
2070     } \IeC {\cyrya } \IeC {\cyrn } \IeC {\cyr s } \IeC {\cyrk } \IeC
2071     {\cyri } \IeC {\cyrishrt } } } %
2072 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{\IeC {\cyrl
2073     } \IeC {\cyra } \IeC {\cyrt } \IeC {\cyri } \IeC {\cyrn } \IeC
2074     {\cyr s } \IeC {\cyrk } \IeC {\cyri } \IeC {\cyrishrt } } } %
2075 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{\IeC
2076     {\cyrn } \IeC {\cyre } \IeC {\cyr m } \IeC {\cyre } \IeC {\cyrc

```

```

2077     }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2078 \\def\\btxlanguagenamengerman{\\protect\\foreignlanguage{#1}{\\IeC
2079     {\\cyrn }\\IeC {\\cyre }\\IeC {\\cyrm }\\IeC {\\cyre }\\IeC {\\cyrc
2080     }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2081 \\def\\btxlanguagenamenorsk{\\protect\\foreignlanguage{#1}{\\IeC {\\cyrn
2082     }\\IeC {\\cyro }\\IeC {\\cyrr }\\IeC {\\cyrv }\\IeC {\\cyre }\\IeC
2083     {\\cyrzh }\\IeC {\\cyrz }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC
2084     {\\cyrishrt }}}%
2085 \\def\\btxlanguagenamenynorsk{\\protect\\foreignlanguage{#1}{\\IeC
2086     {\\cyrn }\\IeC {\\cyro }\\IeC {\\cyrv }\\IeC {\\cyro }\\IeC {\\cyrn
2087     }\\IeC {\\cyro }\\IeC {\\cyrr }\\IeC {\\cyrv }\\IeC {\\cyre }\\IeC
2088     {\\cyrzh }\\IeC {\\cyrz }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC
2089     {\\cyrishrt }}}%
2090 \\def\\btxlanguagenamepolish{\\protect\\foreignlanguage{#1}{\\IeC
2091     {\\cyrp }\\IeC {\\cyro }\\IeC {\\cyrl }\\IeC {\\cyrstfn }\\IeC {\\cyrz
2092     }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2093 \\def\\btxlanguagenameportuges{\\protect\\foreignlanguage{#1}{\\IeC
2094     {\\cyrp }\\IeC {\\cyro }\\IeC {\\cyrr }\\IeC {\\cyrt }\\IeC {\\cyru
2095     }\\IeC {\\cyrz }\\IeC {\\cyra }\\IeC {\\cyrl }\\IeC {\\cyrstfn }\\IeC
2096     {\\cyrz }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2097 \\def\\btxlanguagenameportuguese{\\protect\\foreignlanguage{#1}{\\IeC
2098     {\\cyrp }\\IeC {\\cyro }\\IeC {\\cyrr }\\IeC {\\cyrt }\\IeC {\\cyru
2099     }\\IeC {\\cyrz }\\IeC {\\cyra }\\IeC {\\cyrl }\\IeC {\\cyrstfn }\\IeC
2100     {\\cyrz }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2101 \\def\\btxlanguagenamerussian{\\protect\\foreignlanguage{#1}{\\IeC
2102     {\\cyrr }\\IeC {\\cyru }\\IeC {\\cyrz }\\IeC {\\cyrz }\\IeC {\\cyrk
2103     }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2104 \\def\\btxlanguagenamescottish{\\protect\\foreignlanguage{#1}{\\IeC
2105     {\\cyrsh }\\IeC {\\cyro }\\IeC {\\cyrt }\\IeC {\\cyrl }\\IeC {\\cyra
2106     }\\IeC {\\cyrn }\\IeC {\\cyrd }\\IeC {\\cyrz }\\IeC {\\cyrk }\\IeC
2107     {\\cyri }\\IeC {\\cyrishrt }}}%
2108 \\def\\btxlanguagenameserbian{\\protect\\foreignlanguage{#1}{\\IeC
2109     {\\cyrz }\\IeC {\\cyre }\\IeC {\\cyrr }\\IeC {\\cyrb }\\IeC {\\cyrz
2110     }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2111 \\def\\btxlanguagenamespanish{\\protect\\foreignlanguage{#1}{\\IeC
2112     {\\cyri }\\IeC {\\cyrz }\\IeC {\\cyrp }\\IeC {\\cyra }\\IeC {\\cyrn
2113     }\\IeC {\\cyrz }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2114 \\def\\btxlanguagenameswedish{\\protect\\foreignlanguage{#1}{\\IeC
2115     {\\cyrsh }\\IeC {\\cyrv }\\IeC {\\cyre }\\IeC {\\cyrd }\\IeC {\\cyrz
2116     }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2117 \\def\\btxlanguagenameturkish{\\protect\\foreignlanguage{#1}{\\IeC
2118     {\\cyrt }\\IeC {\\cyru }\\IeC {\\cyrr }\\IeC {\\cyre }\\IeC {\\cyrc
2119     }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC {\\cyrishrt }}}%
2120 \\def\\btxlanguagenameukrainian{\\protect\\foreignlanguage{#1}{\\IeC
2121     {\\cyru }\\IeC {\\cyrk }\\IeC {\\cyrr }\\IeC {\\cyra }\\IeC {\\cyri
2122     }\\IeC {\\cyrn }\\IeC {\\cyrz }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC
2123     {\\cyrishrt }}}%
2124 \\def\\btxlanguagenameUKenglish{\\protect\\foreignlanguage{#1}{\\IeC
2125     {\\cyra }\\IeC {\\cyrn }\\IeC {\\cyrz }\\IeC {\\cyrl }\\IeC {\\cyri
2126     }\\IeC {\\cyrishrt }\\IeC {\\cyrz }\\IeC {\\cyrk }\\IeC {\\cyri }\\IeC

```

```

2127     {\cyrishrt }}}%
2128 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{\IeC
2129     {\cyra }\IeC {\cyrn }\IeC {\cyrg }\IeC {\cyr1 }\IeC {\cyri
2130     }\IeC {\cyrishrt }\IeC {\cyr5 }\IeC {\cyrk }\IeC {\cyri }\IeC
2131     {\cyrishrt }}}%
2132 \fi
2133 }

```

Copy the commands to the other languages.

```
2134 \newcommand\bibsrussianb{\bibrussian[russianb]}
```

Append the definitions to the language-calling commands.

```

2135 \AtBeginDocument{%
2136 \ifbbbfixlanguage
2137 \else
2138 \bbbaddto{russianb}{bibrussianb}
2139 \bbbaddto{russian}{bibrussian}
2140 \fi

```

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

```

2141 \bbbaddto{russianb}{btxifchangeoff}
2142 \bbbaddto{russian}{btxifchangeoff}
2143 }
2144 </russian>

```

9.3.10 Serbian

```
2145 <*serbian>
```

The language definition for Serbian was provided by Zoran Filipovic.

`\bibsserbian` Bibliographic commands for Serbian.

```

2146 \newcommand\bibsserbian[1][serbian]{%
2147 \def\biblanguagename{#1}%
2148 \def\btxetalshort##1{\protect\foreignlanguage{#1}{i~dr.##1}}}%
2149 \def\btxetallong##1{\protect\foreignlanguage{#1}{i~drugi}}}%
2150 \def\btxandshort##1{\protect\foreignlanguage{#1}{i}}}%
2151 \def\btxandlong##1{\protect\foreignlanguage{#1}{i}}}%
2152 \def\btxandcomma##1{,}%
2153 \def\btxinlong##1{\protect\foreignlanguage{#1}{u}}}%
2154 \def\btxinshort##1{\protect\foreignlanguage{#1}{u}}}%
2155 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{iz}}}%
2156 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{u}}}%
2157 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{iz}}}%
2158 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{u}}}%
2159 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ur.##1}}}%
2160 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{urednik}}}%
2161 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ur.##1}}}%
2162 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{urednici}}}%
2163 \def\btxxvolumeshort##1{\protect\foreignlanguage{#1}{tm.##1}}}%
2164 \def\btxxvolumelong##1{\protect\foreignlanguage{#1}{tom}}}%

```

2165 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{god.##1{}}}%
2166 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{godina}}}%
2167 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{br.##1{}}}%
2168 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{broj}}}%
2169 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{ed.##1{}}}%
2170 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edicija}}}%
2171 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}}%
2172 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}}%
2173 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{pog.##1{}}}%
2174 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{poglavlje}}}%
2175 \def\btxpageshort##1{\protect\foreignlanguage{#1}{str.##1{}}}%
2176 \def\btxpagelong##1{\protect\foreignlanguage{#1}{strana}}}%
2177 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{str.##1{}}}%
2178 \def\btxpageslong##1{\protect\foreignlanguage{#1}{strane}}}%
2179 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Magistarska teza}}}%
2180 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Doktorska disertacija}}}%
2181 \def\btxtechrepsshort##1{\protect\foreignlanguage{#1}{Tehn.\ izv##1{}}}%
2182 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{%
2183 Tehni\v cki izve\v staj}}}%
2184 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januar}}}%
2185 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februar}}}%
2186 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Mart}}}%
2187 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}}%
2188 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Maj}}}%
2189 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Jun}}}%
2190 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Jul}}}%
2191 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Avgust}}}%
2192 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Septembar}}}%
2193 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Octobar}}}%
2194 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{Novembar}}}%
2195 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Decembar}}}%
2196 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
2197 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
2198 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
2199 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
2200 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Maj}}}%
2201 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun}}}%
2202 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul}}}%
2203 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Avg##1{}}}%
2204 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sept##1{}}}%
2205 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Oct##1{}}}%
2206 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2207 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
2208 \def\Btxinlong##1{\protect\foreignlanguage{#1}{U:}}}%
2209 \def\Btxinshort##1{\protect\foreignlanguage{#1}{U:}}}%
2210 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ur.##1{}}}%
2211 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Urednik}}}%
2212 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Ur.##1{}}}%
2213 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Urednici}}}%
2214 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Tm.##1{}}}%

```

2215 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Tom}}%
2216 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{God.##1{}}}%
2217 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Godina}}%
2218 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Br.##1{}}}%
2219 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Broj}}%
2220 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed.##1{}}}%
2221 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edicija}}%
2222 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
2223 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
2224 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Pog.##1{}}}%
2225 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Poglavlje}}%
2226 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Str.##1{}}}%
2227 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Strana}}%
2228 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Str.##1{}}}%
2229 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Strane}}%
2230 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tehn.\ Izv##1{}}}%
2231 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Tehni\v cki Izve\ staj}}%
2232 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, poseta na: ##1}}%
2233 \def\btxfnamespaceshort{}%
2234 \def\btxfnamespacelong{ }%
2235 \def\btxnumeralshort##1{\btxnumeralenglish{#1}{##1}}%
2236 \def\btxnumerallong##1{\btxnumeralenglish{#1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

2237 \def\btxprintmonthyearnum##1##2{##1/##2}%
2238 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2239 \ifbbblanguagenames
2240 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engleski}}%
2241 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{nema\v cki}}%
2242 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugalski}}%
2243 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugalski}}%
2244 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engleski}}%
2245 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bugarski}}%
2246 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engleski}}%
2247 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{francuski}}%
2248 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalonski}}%
2249 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{hrvatski}}%
2250 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{\v ce\v ski}}%
2251 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{danski}}%
2252 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{holandski}}%
2253 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{engleski}}%
2254 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
2255 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finski}}%
2256 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{francuski}}%
2257 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{francuski}}%
2258 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{francuski}}%
2259 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{nema\v cki}}%
2260 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{nema\v cki}}%
2261 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{gr\v cki}}%
2262 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{jevrejski}}%

```



```

2263 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{ma\dj arski}}%
2264 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islandski}}%
2265 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irski}}%
2266 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italianski}}%
2267 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latinski}}%
2268 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{nema\v cki}}%
2269 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{nema\v cki}}%
2270 \def\btxlanguagenameorsk{\protect\foreignlanguage{#1}{norve\v ski}}%
2271 \def\btxlanguagenameynorsk{\protect\foreignlanguage{#1}{%
2272     novi-norve\v ski}}%
2273 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{poljski}}%
2274 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugalski}}%
2275 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugalski}}%
2276 \def\btxlanguagenameussian{\protect\foreignlanguage{#1}{ruski}}%
2277 \def\btxlanguagenamecottish{\protect\foreignlanguage{#1}{\v skotski}}%
2278 \def\btxlanguagenameSerbian{\protect\foreignlanguage{#1}{srpski}}%
2279 \def\btxlanguagenameSpanish{\protect\foreignlanguage{#1}{\v spanski}}%
2280 \def\btxlanguagenameSwedish{\protect\foreignlanguage{#1}{\v svedski}}%
2281 \def\btxlanguagenameTurkish{\protect\foreignlanguage{#1}{turski}}%
2282 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{engleski}}%
2283 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{engleski}}%
2284 \fi
2285 }

```

Append the definitions to the language-calling commands.

```

2286 \AtBeginDocument{%
2287   \ifbbbfixlanguage
2288     \else
2289       \bbbaddto{serbian}{bibsserbian}
2290     \fi
2291     \bbbaddto{serbian}{btxfchangeoff}
2292 }
2293 \serbian)

```

9.3.11 Spanish

2294 `<*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.

```

2295 \newcommand\bibsspanish[1][spanish]{%
2296   \def\biblanguagename{#1}%
2297   \def\btxetalshort##1{\protect\foreignlanguage{#1}{y~cols##1{}}}%
2298   \def\btxetallong##1{\protect\foreignlanguage{#1}{y~colaboradores}}%
2299   \def\btxandshort##1{\protect\foreignlanguage{#1}{y}}%
2300   \def\btxandlong##1{\protect\foreignlanguage{#1}{y}}%
2301   \def\btxandcomma##1{}%
2302   \def\btxinlong##1{\protect\foreignlanguage{#1}{en}}%
2303   \def\btxinshort##1{\protect\foreignlanguage{#1}{en}}%

```

2304 \def\btxfseriesshort##1{\protect\foreignlanguage{#1}{de}}%
2305 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{en}}%
2306 \def\btxfserieslong##1{\protect\foreignlanguage{#1}{de}}%
2307 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{en}}%
2308 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
2309 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}%
2310 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{eds##1{}}}%
2311 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editores}}%
2312 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
2313 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volumen}}%
2314 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
2315 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volumen}}%
2316 \def\btxnumbersshort##1{\protect\foreignlanguage{#1}{%
2317 n\textsuperscript{\underline{o}}}}%
2318 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{n'umero}}%
2319 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
2320 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edici'\o'n}}%
2321 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionshort{##2}}%
2322 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
2323 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1{}}}%
2324 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{cap{'\i}tulo}}%
2325 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p'ag##1{}}}%
2326 \def\btxpagelong##1{\protect\foreignlanguage{#1}{p'agina}}%
2327 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{p'ags##1{}}}%
2328 \def\btxpageslong##1{\protect\foreignlanguage{#1}{p'aginas}}%
2329 \def\btxmasthesis##1{\protect\foreignlanguage{#1}{Tesis de Licenciatura}}%
2330 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Tesis de Doctorado}}%
2331 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Informe t'ecnico##1{}}}%
2332 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Informe t'ecnico}}%
2333 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Enero}}%
2334 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Febrero}}%
2335 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Marzo}}%
2336 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{Abril}}%
2337 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mayo}}%
2338 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Junio}}%
2339 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Julio}}%
2340 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Agosto}}%
2341 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Septiembre}}%
2342 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Octubre}}%
2343 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{Noviembre}}%
2344 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Diciembre}}%
2345 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Ene##1{}}}%
2346 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
2347 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
2348 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Abr##1{}}}%
2349 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{May##1{}}}%
2350 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
2351 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
2352 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Ago##1{}}}%
2353 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%

```

2354 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Oct##1{}}}%
2355 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2356 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dic##1{}}}%
2357 \def\Btxinlong##1{\protect\foreignlanguage{#1}{En}}%
2358 \def\Btxinshort##1{\protect\foreignlanguage{#1}{En}}%
2359 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
2360 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}%
2361 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
2362 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editores}}%
2363 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
2364 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volumen}}%
2365 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
2366 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volumen}}%
2367 \def\Btxnumbersshort##1{\protect\foreignlanguage{#1}{%
2368     N\textsuperscript{\underline{o}}}}%
2369 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{N'umero}}%
2370 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
2371 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edici'on}}%
2372 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
2373 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
2374 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
2375 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Cap'\itulo}}%
2376 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P'ag##1{}}}%
2377 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{P'agina}}%
2378 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{P'ags##1{}}}%
2379 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{P'aginas}}%
2380 \def\Btxtechrepshort##1{\protect\foreignlanguage{#1}{Informe t'ecnico}}%
2381 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Informe t'ecnico}}%
2382 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, visitado el ##1}}%
2383 \def\btxfnamespaceshort{\,}%
2384 \def\btxfnamespacelong{ }%
2385 \def\btxnumeralshort##1{\protect\foreignlanguage{#1}{%
2386     \ifnumber{##1}{##1\textsuperscript{\underline{a}}}{##1}}}%
2387 % \def\btxnumeralshort##1{\ifnumber{##1}{\protect\foreignlanguage{#1}{%
2388 %     ##1\ifcase##1 \ieme\or \iere\else \ieme\fi}}{##1}}%
Bug and solution for \btxnumerallong reported by Iago Quiñones
2389 \def\btxnumerallong##1{\btxnumeralshort{##1}}%
Define how to print month and year in numeric format, e. g. MM/YYYY.
2390 \def\btxprintmonthyearnum##1##2{##1/##2}%
2391 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2392 \ifbbblanguagenames
2393 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{ingl'es}}%
2394 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem'an}}%
2395 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugu'es}}%
2396 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugu'es}}%
2397 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{ingl'es}}%
2398 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{b'ulgaro}}%
2399 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{ingl'es}}%
2400 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franc'es}}%

```

```

2401 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalan}}%
2402 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croata}}%
2403 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{checo}}%
2404 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{dan\`es}}%
2405 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{holand\`es}}%
2406 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{ingl\`es}}%
2407 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
2408 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finland\`es}}%
2409 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{franc\`es}}%
2410 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{franc\`es}}%
2411 \def\btxlanguagenamefrenchbf{\protect\foreignlanguage{#1}{franc\`es}}%
2412 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{alem\`an}}%
2413 \def\btxlanguagenamegermanbf{\protect\foreignlanguage{#1}{alem\`an}}%
2414 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{griego}}%
2415 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebreo}}%
2416 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{h\`ungaro}}%
2417 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{island\`es}}%
2418 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irland\`es}}%
2419 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italiano}}%
2420 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{lat\`i n}}%
2421 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem\`an}}%
2422 \def\btxlanguagenamegermanf{\protect\foreignlanguage{#1}{alem\`an}}%
2423 \def\btxlanguagenameenorsk{\protect\foreignlanguage{#1}{noruego}}%
2424 \def\btxlanguagenameynorsk{\protect\foreignlanguage{#1}{noruego}}%
2425 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polaco}}%
2426 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugu\`es}}%
2427 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugu\`es}}%
2428 \def\btxlanguagenameerussian{\protect\foreignlanguage{#1}{ruso}}%
2429 \def\btxlanguagenameescottish{\protect\foreignlanguage{#1}{escoc\`es}}%
2430 \def\btxlanguagenameeserbian{\protect\foreignlanguage{#1}{serbio}}%
2431 \def\btxlanguagenameespanish{\protect\foreignlanguage{#1}{espa\`nol}}%
2432 \def\btxlanguagenameeswedish{\protect\foreignlanguage{#1}{sueco}}%
2433 \def\btxlanguagenameeturkish{\protect\foreignlanguage{#1}{turco}}%
2434 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{ingl\`es}}%
2435 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{ingl\`es}}%
2436 \fi
2437 }

```

Copy the commands to the other languages.

```

2438 \newcommand\bibsmexican[1][mexican]{%
2439 \bibsspanish[mexican]%
2440 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Tesis de Maestr\`a}}%
2441 }

```

Append the definitions to the language-calling commands.

```

2442 \AtBeginDocument{%
2443 \ifbbbfixlanguage
2444 \else
2445 \bbbaddto{spanish}{bibsspanish}
2446 \bbbaddto{mexican}{bibsmexican}

```

```

2447 \fi
2448 \bbbdaddto{spanish}{btxfordchangeoff}
2449 \bbbdaddto{mexican}{btxfordchangeoff}
2450 }
2451 </spanish>

```

9.3.12 Czech

```
2452 <*czech>
```

The language definition for Czech was provided by Tomas Hnizdil, tomash.cz@gmail.com.

```
\bibsczech
```

```

2453 \newcommand\bibsczech[1][czech]{%
2454 \def\biblanguagename{#1}%
2455 \def\btxetalshort##1{\protect\foreignlanguage{#1}{a~kol##1{}}}%
2456 \def\btxetalldlong##1{\protect\foreignlanguage{#1}{a~kolektiv}}%
2457 \def\btxfordshort##1{\protect\foreignlanguage{#1}{a}}%
2458 \def\btxfordlong##1{\protect\foreignlanguage{#1}{a}}%
2459 \def\btxfordcomma##1{,}%
2460 \def\btxinlong##1{\protect\foreignlanguage{#1}{v}}%
2461 \def\btxinshort##1{\protect\foreignlanguage{#1}{v}}%
2462 \def\btxfordseriesshort##1{\protect\foreignlanguage{#1}{z}}%
2463 \def\btxfordserieslong##1{\protect\foreignlanguage{#1}{z}}%
2464 \def\btxfordserieslong##1{\protect\foreignlanguage{#1}{z}}%
2465 \def\btxfordserieslong##1{\protect\foreignlanguage{#1}{v}}%
2466 \def\btxfordeditorshort##1{\protect\foreignlanguage{#1}{edit##1{}}}%
2467 \def\btxfordeditorlong##1{\protect\foreignlanguage{#1}{editor}}%
2468 \def\btxfordeditorshort##1{\protect\foreignlanguage{#1}{edit##1{}}}%
2469 \def\btxfordeditorslong##1{\protect\foreignlanguage{#1}{editovr{i}}}%
2470 \def\btxfordvolumeshort##1{\protect\foreignlanguage{#1}{sv##1{}}}%
2471 \def\btxfordvolumelong##1{\protect\foreignlanguage{#1}{svazek}}%
2472 \def\btxfordjvolumeshort##1{\protect\foreignlanguage{#1}{ro\vc{##1{}}}}%
2473 \def\btxfordjvolumelong##1{\protect\foreignlanguage{#1}{ro\vc{n'ik}}}%
2474 \def\btxfordnumbershort##1{\protect\foreignlanguage{#1}{v{c}##1{}}}%
2475 \def\btxfordnumberlong##1{\protect\foreignlanguage{#1}{v{c}'islo}}%
2476 \def\btxfordeditionshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
2477 \def\btxfordeditionlong##1{\protect\foreignlanguage{#1}{edice}}%
2478 \def\btxfordeditionnumshort##1##2{\btxfordnumeralshort{##1}~\btxfordeditionshort{##2}}%
2479 \def\btxfordeditionnumlong##1##2{\btxfordnumeralldlong{##1}~\btxfordeditionlong{##2}}%
2480 \def\btxfordchaptershort##1{\protect\foreignlanguage{#1}{kap##1{}}}%
2481 \def\btxfordchapterlong##1{\protect\foreignlanguage{#1}{kapitola}}%
2482 \def\btxfordpageshort##1{\protect\foreignlanguage{#1}{str##1{}}}%
2483 \def\btxfordpagelong##1{\protect\foreignlanguage{#1}{strana}}%
2484 \def\btxfordpagesshort##1{\protect\foreignlanguage{#1}{str##1{}}}%
2485 \def\btxfordpageslong##1{\protect\foreignlanguage{#1}{strany}}%
2486 \def\btxfordmastthesis##1{\protect\foreignlanguage{#1}{diplomov'a pr'ace}}%
2487 \def\btxfordphdthesis##1{\protect\foreignlanguage{#1}{disertace}}%
2488 \def\btxfordtechrephshort##1{\protect\foreignlanguage{#1}{Tech.\ zpr##1}}%
2489 \def\btxfordtechreplong##1{\protect\foreignlanguage{#1}{Technick\ 'a zpr'ava}}%

```

```

2490 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{leden}}%
2491 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{\ 'unor}}%
2492 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{b\vr{eze}}%
2493 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{duben}}%
2494 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{kv\vr{e}ten}}%
2495 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{\vr{c}erven}}%
2496 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{\vr{c}ervenec}}%
2497 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{srpen}}%
2498 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{z\ 'a\vr{r}\ 'i}}%
2499 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{\vr{r}\ 'ijen}}%
2500 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{listopad}}%
2501 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{prosinec}}%
2502 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{led##1{}}}%
2503 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{\ 'uno##1{}}}%
2504 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{b\vr{r}e##1{}}}%
2505 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{dub##1{}}}%
2506 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{kv\vr{e}##1{}}}%
2507 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{\vr{c}er##1{}}}%
2508 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{\vr{c}ec##1{}}}%
2509 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{srp##1{}}}%
2510 \def\btxmonsepsort##1{\protect\foreignlanguage{#1}{z\ 'a\vr{r}##1{}}}%
2511 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{\vr{r}\ 'ij##1{}}}%
2512 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{lis##1{}}}%
2513 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{pro##1{}}}%
2514 \def\Btxinlong##1{\protect\foreignlanguage{#1}{V}}%
2515 \def\Btxinshort##1{\protect\foreignlanguage{#1}{V}}%
2516 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Edit##1{}}}%
2517 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}%
2518 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Edit##1{}}}%
2519 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Edito\vr{i}}}%
2520 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Sv##1{}}}%
2521 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Svazek}}%
2522 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Ro\vr{c}##1{}}}%
2523 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Ro\vr{c}n\ 'ik}}%
2524 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{\vr{C}##1{}}}%
2525 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{\vr{C}\ 'islo}}%
2526 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
2527 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edice}}%
2528 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
2529 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
2530 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Kap##1{}}}%
2531 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Kapitola}}%
2532 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Str##1{}}}%
2533 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Strana}}%
2534 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Str##1{}}}%
2535 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Strany}}%
2536 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Techn.\ zpr##1}}%
2537 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Technick\ 'a zpr\ 'ava}}%
2538 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, dostupn\ 'e z ##1}}%
2539 \def\btxfnamespaceshort{\,}%

```

```

2540 \def\btxfnamespacelong{ }%
2541 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
2542 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%

Define how to print month and year in numeric format, e. g. MM/YYYY.

2543 \def\btxpriintmonthyearnum##1##2{##1/##2}%
2544 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}{##1}}%
2545 \ifbbblanguagenames
2546 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{anglicky}}%
2547 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{n\v{e}mecky}}%
2548 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugalsky}}%
2549 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugalsky}}%
2550 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{anglicky}}%
2551 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulharsky}}%
2552 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{anglicky}}%
2553 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{francouzsky}}%
2554 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katal\'ansky}}%
2555 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{chorvatsky}}%
2556 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{v{c}esky}}%
2557 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{danese}}%
2558 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{holandsky}}%
2559 \def\btxlanguagename english{\protect\foreignlanguage{#1}{anglicky}}%
2560 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
2561 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finsky}}%
2562 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{francouzsky}}%
2563 \def\btxlanguagename french{\protect\foreignlanguage{#1}{francouzsky}}%
2564 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{francouzsky}}%
2565 \def\btxlanguagename german{\protect\foreignlanguage{#1}{n\v{e}mecky}}%
2566 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{n\v{e}mecky}}%
2567 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{v{r}ecky}}%
2568 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{hebrejsky}}%
2569 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{ma~arsky}}%
2570 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{islandsky}}%
2571 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irsky}}%
2572 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italsky}}%
2573 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{latinsky}}%
2574 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{n\v{e}mecky}}%
2575 \def\btxlanguagename german{\protect\foreignlanguage{#1}{n\v{e}mecky}}%
2576 \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{norsky}}%
2577 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{norsky}}%
2578 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polsky}}%
2579 \def\btxlanguagename portugues{\protect\foreignlanguage{#1}{portugalsky}}%
2580 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugalsky}}%
2581 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{rusky}}%
2582 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{skotsky}}%
2583 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{srbsky}}%
2584 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{%
2585 \v{s}pan\v{e}lsky}}%
2586 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{v{s}v'edsky}}%
2587 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turecky}}%

```

```

2588 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{anglicky}}%
2589 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{anglicky}}%
2590 \fi
2591 }

```

Append the definitions to the language-calling commands.

```

2592 \AtBeginDocument{%
2593 \ifbbbfixlanguage
2594 \else
2595 \bbbaddto{czech}{bibsczech}
2596 \fi

```

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

```

2597 \bbbaddto{czech}{btxfordchangeoff}
2598 }
2599 </czech>

```

9.3.13 Danish

```
2600 <*danish>
```

`\bibsdanish` Bibliographic commands for Danish.

```

2601 \newcommand\bibsdanish[1][danish]{%
2602 \def\biblanguagename{#1}%
2603 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1}}%
2604 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~alii}}%
2605 \def\btxandshort##1{\protect\foreignlanguage{#1}{og}}%
2606 \def\btxandlong##1{\protect\foreignlanguage{#1}{og}}%
2607 \def\btxandcomma##1{}%
2608 \def\btxinlong##1{\protect\foreignlanguage{#1}{i}}%
2609 \def\btxinshort##1{\protect\foreignlanguage{#1}{i}}%
2610 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{af}}%
2611 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{i}}%
2612 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{af}}%
2613 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{i}}%
2614 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1}}%
2615 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redakt o r}}%
2616 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1}}%
2617 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redakt o rer}}%
2618 \def\btxvolumeshort##1{\protect\foreignlanguage{#1}{bd##1}}%
2619 \def\btxvolumelong##1{\protect\foreignlanguage{#1}{bind}}%
2620 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{aa rg##1}}%
2621 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{aa rgang}}%
2622 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{nr##1}}%
2623 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nummer}}%
2624 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{udg##1}}%
2625 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{udgave}}%
2626 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionshort{##2}}%
2627 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%

```



```

2628 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{kap##1{}}}%
2629 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{kapitel}}%
2630 \def\btxpageshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
2631 \def\btxpagelong##1{\protect\foreignlanguage{#1}{side}}%
2632 \def\btxpageshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
2633 \def\btxpageslong##1{\protect\foreignlanguage{#1}{sider}}%
2634 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Speciale}}%
2635 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{ph.d.-afhandling}}%
2636 \def\btxtechrepsort##1{\protect\foreignlanguage{#1}{Tekn.\ rap##1{}}}%
2637 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Teknisk rapport}}%
2638 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januar}}%
2639 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februar}}%
2640 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Marts}}%
2641 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
2642 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Maj}}%
2643 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
2644 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
2645 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{August}}%
2646 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
2647 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}%
2648 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
2649 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{December}}%
2650 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
2651 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
2652 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
2653 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
2654 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Maj}}%
2655 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
2656 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
2657 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
2658 \def\btxmonsepsort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
2659 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
2660 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2661 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
2662 \def\Btxinlong##1{\protect\foreignlanguage{#1}{I}}%
2663 \def\Btxinshort##1{\protect\foreignlanguage{#1}{I}}%
2664 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2665 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redakt\o r}}%
2666 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
2667 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redakt\o rer}}%
2668 \def\Btxvolumesort##1{\protect\foreignlanguage{#1}{Bd##1{}}}%
2669 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Bind}}%
2670 \def\Btxjvolumesort##1{\protect\foreignlanguage{#1}{Aa rg##1{}}}%
2671 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Aa rgang}}%
2672 \def\Btxnumbersort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
2673 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nummer}}%
2674 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Udg##1{}}}%
2675 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Udgave}}%
2676 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
2677 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%

```

```

2678 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Kap##1{}}}%
2679 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Kapitel}}%
2680 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
2681 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Side}}%
2682 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
2683 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Sider}}%
2684 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tekn.\ rap##1{}}}%
2685 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Teknisk rapport}}%
2686 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, bes\o gt den ##1}}%
2687 \def\btxfnamespaceshort{\,}%
2688 \def\btxfnamespacelong{ }%
2689 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
2690 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%

```

Define how to print month and year in numeric format, e.g. MM/YYYY.

```

2691 \def\btxprintmonthyearnum##1##2{##1/##2}%
2692 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2693 \ifbbblanguagenames
2694   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engelsk}}%
2695   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{tysk}}%
2696   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugisisk}}%
2697   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugisisk}}%
2698   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engelsk}}%
2699   \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgarsk}}%
2700   \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engelsk}}%
2701   \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{fransk}}%
2702   \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalansk}}%
2703   \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroatisk}}%
2704   \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tjekkisk}}%
2705   \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{dansk}}%
2706   \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{nederlands}}%
2707   \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{engelsk}}%
2708   \def\btxlanguagenamesesperanto{\protect\foreignlanguage{#1}{esperanto}}%
2709   \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finsk}}%
2710   \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{fransk}}%
2711   \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{fransk}}%
2712   \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{fransk}}%
2713   \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{tysk}}%
2714   \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{tysk}}%
2715   \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{gr\ae sk}}%
2716   \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebraisk}}%
2717   \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{ungarsk}}%
2718   \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islandsk}}%
2719   \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irsk}}%
2720   \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italiensk}}%
2721   \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latinsk}}%
2722   \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{tysk}}%
2723   \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{tysk}}%
2724   \def\btxlanguagenamenorsk{\protect\foreignlanguage{#1}{norsk}}%
2725   \def\btxlanguagenamenynorsk{\protect\foreignlanguage{#1}{nynorsk}}%

```

```

2726 \def\btlanguagenamepolish{\protect\foreignlanguage{#1}{polsk}}%
2727 \def\btlanguagenameportuges{\protect\foreignlanguage{#1}{portugisisk}}%
2728 \def\btlanguagenameportuguese{\protect\foreignlanguage{#1}{portugisisk}}%
2729 \def\btlanguagename russian{\protect\foreignlanguage{#1}{russisk}}%
2730 \def\btlanguagename scottish{\protect\foreignlanguage{#1}{skotsk}}%
2731 \def\btlanguagename serbian{\protect\foreignlanguage{#1}{serbisk}}%
2732 \def\btlanguagename spanish{\protect\foreignlanguage{#1}{spansk}}%
2733 \def\btlanguagename swedish{\protect\foreignlanguage{#1}{svensk}}%
2734 \def\btlanguagename turkish{\protect\foreignlanguage{#1}{tyrkisk}}%
2735 \def\btlanguagename UKenglish{\protect\foreignlanguage{#1}{engelsk}}%
2736 \def\btlanguagename USenglish{\protect\foreignlanguage{#1}{engelsk}}%
2737 \fi
2738 }

```

Append the definitions to the language-calling commands.

```

2739 \AtBeginDocument{%
2740 \ifbbbfixlanguage
2741 \else
2742 \bbbaddto{danish}{bibs danish}
2743 \fi
2744 \bbbaddto{danish}{bt xifchange case off}
2745 }
2746 </danish>

```

9.3.14 Finnish

```
2747 <*finnish>
```

`\bibsfinnish` Bibliographic commands for Finnish.

```

2748 \newcommand\bibsfinnish[1][finnish]{%
2749 \def\biblanguage name{#1}%
2750 \def\bt xetal short##1{\protect\foreignlanguage{#1}{et~al##1}}%
2751 \def\bt xetal long##1{\protect\foreignlanguage{#1}{et~alii}}%
2752 \def\bt xand short##1{\protect\foreignlanguage{#1}{ja}}%
2753 \def\bt xand long##1{\protect\foreignlanguage{#1}{ja}}%
2754 \def\bt xand comma##1{%
2755 \def\bt xin long##1{\protect\foreignlanguage{#1}{teoksessa}}%
2756 \def\bt xin short##1{\protect\foreignlanguage{#1}{teoksessa}}%
2757 \def\bt xof series short##1{\protect\foreignlanguage{#1}{sarjassa}}%
2758 \def\bt xin series short##1{\protect\foreignlanguage{#1}{sarjassa}}%
2759 \def\bt xof series long##1{\protect\foreignlanguage{#1}{sarjassa}}%
2760 \def\bt xin series long##1{\protect\foreignlanguage{#1}{sarjassa}}%
2761 \def\bt xeditor short##1{\protect\foreignlanguage{#1}{toim##1}}%
2762 \def\bt xeditor long##1{\protect\foreignlanguage{#1}{toimittaja}}%
2763 \def\bt xeditor short##1{\protect\foreignlanguage{#1}{toim##1}}%
2764 \def\bt xeditor long##1{\protect\foreignlanguage{#1}{toimittajat}}%
2765 \def\bt xvolumeshort##1{\protect\foreignlanguage{#1}{nide}}%
2766 \def\bt xvolumelong##1{\protect\foreignlanguage{#1}{nide}}%
2767 \def\bt xjvolumeshort##1{\protect\foreignlanguage{#1}{vsk##1}}%
2768 \def\bt xjvolumelong##1{\protect\foreignlanguage{#1}{vuosikerta}}%

```

```

2769 \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{nro}}%
2770 \def\btxnnumberlong##1{\protect\foreignlanguage{#1}{numero}}%
2771 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
2772 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{painos}}%
2773 \def\btxeditionnumshort##1##2{\btxnnumeralshort{##1}~\btxeditionshort{##2}}%
2774 \def\btxeditionnumlong##1##2{\btxnnumerallong{##1}~\btxeditionlong{##2}}%
2775 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{l##1{}}}%
2776 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{luku}}%
2777 \def\btxpageshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
2778 \def\btxpagelong##1{\protect\foreignlanguage{#1}{sivu}}%
2779 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
2780 \def\btxpageslong##1{\protect\foreignlanguage{#1}{sivut}}%
2781 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Pro Gradu -ty\"o}}%
2782 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{v\"ait\"oskirja}}%
2783 \def\btxtchrephshort##1{\protect\foreignlanguage{#1}{tekn.\ rap##1{}}}%
2784 \def\btxtchreplong##1{\protect\foreignlanguage{#1}{tekninen raportti}}%
2785 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{tammikuu}}%
2786 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{helmikuu}}%
2787 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{maaliskuu}}%
2788 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{huhtikuu}}%
2789 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{toukokuu}}%
2790 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{kes\"akuu}}%
2791 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{hein\"akuu}}%
2792 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{elokuu}}%
2793 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{syyskuu}}%
2794 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{lokakuu}}%
2795 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{marraskuu}}%
2796 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{joulu}}%
2797 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{tam##1{}}}%
2798 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{hel##1{}}}%
2799 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{maa##1{}}}%
2800 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{huh##1{}}}%
2801 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{tou##1{}}}%
2802 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{kes##1{}}}%
2803 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{hei##1{}}}%
2804 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{elo##1{}}}%
2805 \def\btxmonsepshort##1{\protect\foreignlanguage{#1}{syy##1{}}}%
2806 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{lok##1{}}}%
2807 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{mar##1{}}}%
2808 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{jou##1{}}}%
2809 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Teoksessa}}%
2810 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Teoksessa}}%
2811 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Toim##1{}}}%
2812 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Toimittaja}}%
2813 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Toim##1{}}}%
2814 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Toimittajat}}%
2815 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Nide}}%
2816 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Nide}}%
2817 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vsk##1{}}}%
2818 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Vuosikerta}}%

```

```

2819 \def\Btxnumbersshort##1{\protect\foreignlanguage{#1}{Nro}}%
2820 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Numero}}%
2821 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
2822 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Painos}}%
2823 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
2824 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
2825 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{L##1{}}}%
2826 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Luku}}%
2827 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
2828 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Sivu}}%
2829 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
2830 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Sivut}}%
2831 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tekn.\ rap##1{}}}%
2832 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Tekninen raportti}}%
2833 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, vierailtu ##1}}%
2834 \def\btxfnamespaceshort{\,}%
2835 \def\btxfnamespacelong{ }%
2836 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
2837 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

2838 \def\btxprintmonthyearnum##1##2{##1/##2}%
2839 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2840 \ifbbblanguagenames
2841   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{englanti}}%
2842   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{saksa}}%
2843   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugali}}%
2844   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugali}}%
2845   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{englanti}}%
2846   \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgaria}}%
2847   \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{englanti}}%
2848   \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{ranska}}%
2849   \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalaani}}%
2850   \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroaati}}%
2851   \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tsekki}}%
2852   \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{tanska}}%
2853   \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{hollanti}}%
2854   \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{englanti}}%
2855   \def\btxlanguagenamesesperanto{\protect\foreignlanguage{#1}{esperanto}}%
2856   \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{suomi}}%
2857   \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{ranska}}%
2858   \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{ranska}}%
2859   \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{ranska}}%
2860   \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{saksa}}%
2861   \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{saksa}}%
2862   \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{kreikka}}%
2863   \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{heprea}}%
2864   \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{unkari}}%
2865   \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islanti}}%
2866   \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{iiri}}%

```

```

2867 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italia}}%
2868 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latina}}%
2869 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{saksa}}%
2870 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{saksa}}%
2871 \def\btxlanguagenameorsk{\protect\foreignlanguage{#1}{norja}}%
2872 \def\btxlanguagenameynorsk{\protect\foreignlanguage{#1}{uusnorja}}%
2873 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{puola}}%
2874 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugali}}%
2875 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugali}}%
2876 \def\btxlanguagenameussian{\protect\foreignlanguage{#1}{ven\`j\`a}}%
2877 \def\btxlanguagenamecottish{\protect\foreignlanguage{#1}{skotti}}%
2878 \def\btxlanguagenameerbian{\protect\foreignlanguage{#1}{serbi}}%
2879 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{espanja}}%
2880 \def\btxlanguagenamewedish{\protect\foreignlanguage{#1}{ruotsi}}%
2881 \def\btxlanguagenameurkish{\protect\foreignlanguage{#1}{turkki}}%
2882 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{englanti}}%
2883 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{englanti}}%
2884 \fi
2885 }

```

Append the definitions to the language-calling commands.

```

2886 \AtBeginDocument{%
2887 \ifbbbfixlanguage
2888 \else
2889 \bbbaddto{finnish}{bibsfinnish}
2890 \fi

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

2891 \bbbaddto{finnish}{btxifchangeoff}
2892 }
2893 </finnish>

```

9.3.15 Esperanto

2894 <*esperanto>

\bibsesperanto Bibliographic commands for Esperanto.

```

2895 \newcommand\bibsesperanto[1][esperanto]{%
2896 \def\biblanguage{#1}%
2897 \def\btxetalshort##1{\protect\foreignlanguage{#1}{k~al##1}}%
2898 \def\btxetallong##1{\protect\foreignlanguage{#1}{kaj~aliaj}}%
2899 \def\btxandshort##1{\protect\foreignlanguage{#1}{k}}%
2900 \def\btxandlong##1{\protect\foreignlanguage{#1}{kaj}}%
2901 \def\btxandcomma##1{%
2902 \def\btxinlong##1{\protect\foreignlanguage{#1}{en}}%
2903 \def\btxinshort##1{\protect\foreignlanguage{#1}{en}}%
2904 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{de}}%
2905 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{en}}%
2906 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}%

```

```

2907 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{en}}%
2908 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2909 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redaktor}}%
2910 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red-oj##1{}}}%
2911 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redaktoroj}}%
2912 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
2913 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volumo}}%
2914 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
2915 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volumo}}%
2916 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{no##1{}}}%
2917 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nombro}}%
2918 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
2919 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{redakcio}}%
2920 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}%
2921 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
2922 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{^c##1{}}}%
2923 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{^capitro}}%
2924 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
2925 \def\btxpagelong##1{\protect\foreignlanguage{#1}{pa^go}}%
2926 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
2927 \def\btxpageslong##1{\protect\foreignlanguage{#1}{pa^goj}}%
2928 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{magistra disertacio}}%
2929 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{doktora disertacio}}%
2930 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Tekn.\ rap##1{}}}%
2931 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Teknika raporto}}%
2932 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januaro}}%
2933 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februaro}}%
2934 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Marco}}%
2935 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{Aprilo}}%
2936 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Majo}}%
2937 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Junio}}%
2938 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Julio}}%
2939 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{A\u{u}gusto}}%
2940 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Septembro}}%
2941 \def\btxmonoclong##1{\protect\foreignlanguage{#1}{Oktobro}}%
2942 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{Novembro}}%
2943 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Decembro}}%
2944 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
2945 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
2946 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
2947 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
2948 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Maj##1{}}}%
2949 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
2950 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
2951 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
2952 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Sept##1{}}}%
2953 \def\btxmonocshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
2954 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
2955 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
2956 \def\Btxinlong##1{\protect\foreignlanguage{#1}{En}}%

```

```

2957 \def\Btxinshort##1{\protect\foreignlanguage{#1}{En}}%
2958 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Redakto}}%
2959 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Redakto}}%
2960 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Red##1}}%
2961 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redakto}}%
2962 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1}}%
2963 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volumo}}%
2964 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1}}%
2965 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volumo}}%
2966 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{No##1}}%
2967 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nombro}}%
2968 \def\Btxeditionsshort##1{\protect\foreignlanguage{#1}{Red##1}}%
2969 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Redakcio}}%
2970 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionsshort{##2}}%
2971 \def\Btxeditionnumlong##1##2{\btxnumeralshort{##1}~\Btxeditionlong{##2}}%
2972 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{^C##1}}%
2973 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{^Capitro}}%
2974 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1}}%
2975 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Pa^go}}%
2976 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Pp##1}}%
2977 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pa^goj}}%
2978 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tekn.\ Rap##1}}%
2979 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Teknika Raporto}}%
2980 % \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, ?? ##1}}%
2981 \def\btxurldatecomment##1{\PackageError{babelbib}{Comment for
2982 urldate in Esperanto undefined. Please send the translation to the
2983 authors}{ } [##1]}%
2984 \def\btxfnamespaceshort{\,}%
2985 \def\btxfnamespacelong{ }%
2986 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
2987 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

2988 \def\btxprintmonthyearnum##1##2{##1/##2}%
2989 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
2990 \ifbbblanguagenames
2991 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{angla}}%
2992 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{germana}}%
2993 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugala}}%
2994 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugala}}%
2995 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{angla}}%
2996 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgara}}%
2997 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{angla}}%
2998 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franca}}%
2999 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalana}}%
3000 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroata}}%
3001 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{^ce^ha}}%
3002 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{dana}}%
3003 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{nederlanda}}%
3004 \def\btxlanguagename english{\protect\foreignlanguage{#1}{angla}}%

```



```

3005 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
3006 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finna}}%
3007 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{franca}}%
3008 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{franca}}%
3009 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{franca}}%
3010 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{germana}}%
3011 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{germana}}%
3012 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{greka}}%
3013 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebra}}%
3014 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{hungara}}%
3015 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{islanda}}%
3016 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irlanda}}%
3017 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{itala}}%
3018 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latino}}%
3019 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{germana}}%
3020 \def\btxlanguagenamegermanf{\protect\foreignlanguage{#1}{germana}}%
3021 \def\btxlanguagenameenorsk{\protect\foreignlanguage{#1}{norvega}}%
3022 \def\btxlanguagenameynorsk{\protect\foreignlanguage{#1}{nov-norvega}}%
3023 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{pola}}%
3024 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugala}}%
3025 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugala}}%
3026 \def\btxlanguagename russianf{\protect\foreignlanguage{#1}{rusa}}%
3027 \def\btxlanguagename scottishf{\protect\foreignlanguage{#1}{skota}}%
3028 \def\btxlanguagename serbianf{\protect\foreignlanguage{#1}{serba}}%
3029 \def\btxlanguagename spanishf{\protect\foreignlanguage{#1}{hispana}}%
3030 \def\btxlanguagename swedishf{\protect\foreignlanguage{#1}{sveda}}%
3031 \def\btxlanguagename turkishf{\protect\foreignlanguage{#1}{turka}}%
3032 \def\btxlanguagename UKenglishf{\protect\foreignlanguage{#1}{angla}}%
3033 \def\btxlanguagename USenglishf{\protect\foreignlanguage{#1}{angla}}%
3034 \fi
3035 }

```

Append the definitions to the language-calling commands.

```

3036 \AtBeginDocument{%
3037 \ifbbbfixlanguage
3038 \else
3039 \bbbaddto{esperanto}{bibsesperanto}
3040 \fi

```

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

```

3041 \bbbaddto{esperanto}{btxifchangeoff}
3042 }
3043 </esperanto>

```

9.3.16 Portuguese

```
3044 <*portuguese>
```

`\bibsportuguese` Bibliographic commands for Portuguese.

```

3045 \newcommand\bibsportuguese[1][portuguese]{%
3046   \def\biblanguagename{#1}%
3047   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
3048   \def\btxetallong##1{\protect\foreignlanguage{#1}{et~alii}}%
3049   \def\btxandshort##1{\protect\foreignlanguage{#1}{e}}%
3050   \def\btxandlong##1{\protect\foreignlanguage{#1}{e}}%
3051   \def\btxandcomma##1{,}%
3052   \def\btxinlong##1{\protect\foreignlanguage{#1}{em}}%
3053   \def\btxinshort##1{\protect\foreignlanguage{#1}{em}}%
3054   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{de}}%
3055   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{em}}%
3056   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}%
3057   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{em}}%
3058   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
3059   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}%
3060   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{eds##1{}}}%
3061   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editores}}%
3062   \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
3063   \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}%
3064   \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
3065   \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volume}}%
3066   \def\btxnumbersshort##1{\protect\foreignlanguage{#1}{%
3067     n\textsuperscript{\underline{o}}}}%
3068   \def\btxnumberlong##1{\protect\foreignlanguage{#1}{n'umero}}%
3069   \def\btxeditionshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
3070   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edi\c c~ao}}%
3071   \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionshort{##2}}%
3072   \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
3073   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1{}}}%
3074   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{cap'itulo}}%
3075   \def\btxpageshort##1{\protect\foreignlanguage{#1}{p'ag##1{}}}%
3076   \def\btxpagelong##1{\protect\foreignlanguage{#1}{p'agina}}%
3077   \def\btxpagesshort##1{\protect\foreignlanguage{#1}{p'ags##1{}}}%
3078   \def\btxpageslong##1{\protect\foreignlanguage{#1}{p'aginas}}%
3079   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Tese de Mestrado}}%
3080   \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Tese de Doutoramento}}%
3081   \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Rel.\ T'ecnico}}%
3082   \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Relat'orio T'ecnico}}%
3083   \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{janeiro}}%
3084   \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{fevereiro}}%
3085   \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{mar\c co}}%
3086   \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{abril}}%
3087   \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{maio}}%
3088   \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{junho}}%
3089   \def\btxmonjullong##1{\protect\foreignlanguage{#1}{julho}}%
3090   \def\btxmonauglong##1{\protect\foreignlanguage{#1}{agosto}}%
3091   \def\btxmonseplong##1{\protect\foreignlanguage{#1}{setembro}}%
3092   \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{outubro}}%
3093   \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{novembro}}%
3094   \def\btxmondeclong##1{\protect\foreignlanguage{#1}{dezembro}}%

```

```

3095 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{jan##1{}}}%
3096 \def\btxmonfevshort##1{\protect\foreignlanguage{#1}{fev##1{}}}%
3097 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mar##1{}}}%
3098 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{abr##1{}}}%
3099 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{maio}}%
3100 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{jun##1{}}}%
3101 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{jul##1{}}}%
3102 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{ago##1{}}}%
3103 \def\btxmonsepshort##1{\protect\foreignlanguage{#1}{set##1{}}}%
3104 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{out##1{}}}%
3105 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
3106 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{dez##1{}}}%
3107 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Em}}%
3108 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Em}}%
3109 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
3110 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}%
3111 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Eds##1{}}}%
3112 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editores}}%
3113 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3114 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
3115 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3116 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
3117 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{%
3118     N\textsuperscript{\underline{o}}}}%
3119 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{N'umero}}%
3120 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
3121 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edi\c c\~ao}}%
3122 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
3123 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
3124 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
3125 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Cap' {\i}tulo}}%
3126 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P' ag##1{}}}%
3127 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{P' agina}}%
3128 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{P' ags##1{}}}%
3129 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{P' aginas}}%
3130 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Rel.\ T' ec##1{}}}%
3131 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Relat' orio T' ecnico}}%
3132 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, acedido em ##1}}%
3133 \def\btxfnamespaceshort{\,}%
3134 \def\btxfnamespacelong{ }%
3135 \def\btxnumeralshort##1{\protect\foreignlanguage{#1}{%
3136     \ifnumber{##1}{##1\textsuperscript{\underline{a}}}{##1}}}%
3137 \def\btxnumerallong##1{\btxnumeralshort{##1}}%

Define how to print month and year in numeric format, e. g. MM/YYYY.
3138 \def\btxprintmonthyearnum##1##2{##1/##2}%
3139 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
3140 \ifbbblanguagenames
3141     \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{ingl\~es}}%
3142     \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem\~ao}}%

```

```

3143 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugu\~es}}%
3144 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugu\~es}}%
3145 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{ingl\~es}}%
3146 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{b\~ulgaro}}%
3147 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{ingl\~es}}%
3148 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franc\~es}}%
3149 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catal\~ao}}%
3150 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croata}}%
3151 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{checo}}%
3152 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{dinamarqu\~es}}%
3153 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{holand\~es}}%
3154 \def\btxlanguagename english{\protect\foreignlanguage{#1}{ingl\~es}}%
3155 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
3156 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finland\~es}}%
3157 \def\btxlanguagename frenchis{\protect\foreignlanguage{#1}{franc\~es}}%
3158 \def\btxlanguagename french{\protect\foreignlanguage{#1}{franc\~es}}%
3159 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{franc\~es}}%
3160 \def\btxlanguagename german{\protect\foreignlanguage{#1}{\alem\~ao}}%
3161 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{\alem\~ao}}%
3162 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{grego}}%
3163 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{hebreu}}%
3164 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{h\~ungaro}}%
3165 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{island\~es}}%
3166 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irland\~es}}%
3167 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italiano}}%
3168 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{latin}}%
3169 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{\alem\~ao}}%
3170 \def\btxlanguagename german{\protect\foreignlanguage{#1}{\alem\~ao}}%
3171 \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{noruegu\~es}}%
3172 \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{neo-noruegu\~es}}%
3173 \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polaco}}%
3174 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugu\~es}}%
3175 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugu\~es}}%
3176 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{russio}}%
3177 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{escoc\~es}}%
3178 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{s\~ervio}}%
3179 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{espanhol}}%
3180 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{sueco}}%
3181 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turco}}%
3182 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{ingl\~es}}%
3183 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{ingl\~es}}%
3184 \fi
3185 }

```

Copy the commands to the other languages.

```

3186 \newcommand\bibsportuges[1][portuges]{\bibsportuguese[#1]}
3187 \newcommand\bibsbrazil[1][brazil]{\bibsbrasilian[#1]}
3188 \newcommand\bibsbrazilian[1][brazilian]{%
3189 \bibsportuguese[#1]}
3190 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{janeiro}}%

```

```

3191 \def\btixonfeblong##1{\protect\foreignlanguage{#1}{fevereiro}}%
3192 \def\btixonmarlong##1{\protect\foreignlanguage{#1}{mar\c co}}%
3193 \def\btixonaprilong##1{\protect\foreignlanguage{#1}{abril}}%
3194 \def\btixonmaylong##1{\protect\foreignlanguage{#1}{maio}}%
3195 \def\btixonjunlong##1{\protect\foreignlanguage{#1}{junho}}%
3196 \def\btixonjullong##1{\protect\foreignlanguage{#1}{julho}}%
3197 \def\btixonauglong##1{\protect\foreignlanguage{#1}{agosto}}%
3198 \def\btixonseplong##1{\protect\foreignlanguage{#1}{setembro}}%
3199 \def\btixonoclong##1{\protect\foreignlanguage{#1}{outubro}}%
3200 \def\btixonovlong##1{\protect\foreignlanguage{#1}{novembro}}%
3201 \def\btixondeclong##1{\protect\foreignlanguage{#1}{dezembro}}%
3202 \def\btixonjanshort##1{\protect\foreignlanguage{#1}{jan##1{}}}%
3203 \def\btixonfebshort##1{\protect\foreignlanguage{#1}{fev##1{}}}%
3204 \def\btixonmarshort##1{\protect\foreignlanguage{#1}{mar##1{}}}%
3205 \def\btixonaprshort##1{\protect\foreignlanguage{#1}{abr##1{}}}%
3206 \def\btixonmayshort##1{\protect\foreignlanguage{#1}{mai##1{}}}%
3207 \def\btixonjunshort##1{\protect\foreignlanguage{#1}{jun##1{}}}%
3208 \def\btixonjulshort##1{\protect\foreignlanguage{#1}{jul##1{}}}%
3209 \def\btixonaugshort##1{\protect\foreignlanguage{#1}{ago##1{}}}%
3210 \def\btixonsepsshort##1{\protect\foreignlanguage{#1}{set##1{}}}%
3211 \def\btixonocshort##1{\protect\foreignlanguage{#1}{out##1{}}}%
3212 \def\btixonovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
3213 \def\btixondecshort##1{\protect\foreignlanguage{#1}{dez##1{}}}%
3214 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
3215 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
3216 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
3217 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
3218 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, acesso em ##1}}%
3219 }

```

Append the definitions to the language-calling commands.

```

3220 \AtBeginDocument{%
3221 \ifbbbfixlanguage
3222 \else
3223 \bbbaddto{brazil}{bibsbrasil}
3224 \bbbaddto{brazilian}{bibsbrasilian}
3225 \bbbaddto{portuges}{bibsportuges}
3226 \bbbaddto{portuguese}{bibsportuguese}
3227 \fi

Switch off the change of case in titles for all Portuguese dialects by appending
\btxifchangeoff to \extras<language>.
3228 \bbbaddto{brazil}{btxifchangeoff}
3229 \bbbaddto{brazilian}{btxifchangeoff}
3230 \bbbaddto{portuges}{btxifchangeoff}
3231 \bbbaddto{portuguese}{btxifchangeoff}
3232 }
3233 </portuguese>

```

9.3.17 Dutch

3234 (*dutch)

\bibs dutch Bibliographic commands for Dutch.

```
3235 \newcommand\bibs dutch[1][dutch]{%
3236 \def\biblanguagename{#1}%
3237 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
3238 \def\btxetal long##1{\protect\foreignlanguage{#1}{en anderen}}%
3239 \def\btxandshort##1{\protect\foreignlanguage{#1}{en}}%
3240 \def\btxand long##1{\protect\foreignlanguage{#1}{en}}%
3241 \def\btxandcomma##1{,}%
3242 \def\btxinlong##1{\protect\foreignlanguage{#1}{in}}%
3243 \def\btxinshort##1{\protect\foreignlanguage{#1}{in}}%
3244 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{van}}%
3245 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{in}}%
3246 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{van}}%
3247 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{in}}%
3248 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
3249 \def\btxeditor long##1{\protect\foreignlanguage{#1}{redactie}}%
3250 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
3251 \def\btxeditors long##1{\protect\foreignlanguage{#1}{redactie}}%
3252 \def\btxvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
3253 \def\btxvolumel ong##1{\protect\foreignlanguage{#1}{volume}}%
3254 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{jrg##1{}}}%
3255 \def\btxjvolumel ong##1{\protect\foreignlanguage{#1}{jaargang}}%
3256 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
3257 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nummer}}%
3258 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{druk}}%
3259 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{uitgave}}%
3260 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionshort{##2}}%
3261 \def\btxeditionnumlong##1##2{\btxnumeral long{##1}~\btxeditionlong{##2}}%
3262 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{hfdst##1{}}}%
3263 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{hoofdstuk}}%
3264 \def\btxpageshort##1{\protect\foreignlanguage{#1}{pag##1{}}}%
3265 \def\btxpagel ong##1{\protect\foreignlanguage{#1}{pagina}}%
3266 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pag##1{}}}%
3267 \def\btxpageslong##1{\protect\foreignlanguage{#1}{pagina's}}%
3268 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{scriptie}}%
3269 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{proefschrift}}%
3270 \def\btxtechreps short##1{\protect\foreignlanguage{#1}{Tech. \ Rapp##1{}}}%
3271 \def\btxtechrepl ong##1{\protect\foreignlanguage{#1}{Technisch Rapport}}%
3272 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januari}}%
3273 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februari}}%
3274 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Maart}}%
3275 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
3276 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mei}}%
3277 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
3278 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
3279 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Augustus}}%
3280 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
3281 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Oktober}}%
```

```

3282 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
3283 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{December}}%
3284 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
3285 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
3286 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mrt}}%
3287 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
3288 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{Mei}}%
3289 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
3290 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
3291 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
3292 \def\btxmonsepshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
3293 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
3294 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
3295 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Dec##1{}}}%
3296 \def\Btxinlong##1{\protect\foreignlanguage{#1}{In}}%
3297 \def\Btxinshort##1{\protect\foreignlanguage{#1}{In}}%
3298 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
3299 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redactie}}%
3300 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
3301 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redactie}}%
3302 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3303 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
3304 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Jrg##1{}}}%
3305 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Jaargang}}%
3306 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
3307 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Number}}%
3308 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Druk}}%
3309 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Uitgave}}%
3310 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
3311 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
3312 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Hfdst##1{}}}%
3313 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Hoofdstuk}}%
3314 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Pag##1{}}}%
3315 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Pagina}}%
3316 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Pags##1{}}}%
3317 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Pagina's}}%
3318 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tech.\ Rapp##1{}}}%
3319 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Technis Rapport}}%
3320 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, bezocht op ##1}}%
3321 \def\btxfnamespaceshort{\,}%
3322 \def\btxfnamespacelong{ }%
3323 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
3324 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%

Define how to print month and year in numeric format, e. g. MM/YYYY.
3325 \def\btxprintmonthyearnum##1##2{##1/##2}%
3326 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
3327 \ifbbblanguagenames
3328 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engels}}%
3329 % \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{german}}%

```

```

3330 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugees}}%
3331 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugees}}%
3332 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engels}}%
3333 % \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgarian}}%
3334 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engels}}%
3335 % \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{french}}%
3336 % \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalan}}%
3337 % \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croatian}}%
3338 % \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{czech}}%
3339 % \def\btxlanguagename danish{\protect\foreignlanguage{#1}{d\ " anisch}}%
3340 % \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{dutch}}%
3341 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{engels}}%
3342 % \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
3343 % \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finnish}}%
3344 % \def\btxlanguagenamefrançais{\protect\foreignlanguage{#1}{french}}%
3345 % \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{french}}%
3346 % \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{french}}%
3347 % \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{german}}%
3348 % \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{german}}%
3349 % \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{greek}}%
3350 % \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebrew}}%
3351 % \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{hungarian}}%
3352 % \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{icelandic}}%
3353 % \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irish}}%
3354 % \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italian}}%
3355 % \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latin}}%
3356 % \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{german}}%
3357 % \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{german}}%
3358 % \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{norwegian}}%
3359 % \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{new-norwegian}}%
3360 % \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polish}}%
3361 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugees}}%
3362 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugees}}%
3363 % \def\btxlanguagename russian{\protect\foreignlanguage{#1}{russian}}%
3364 % \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{scottish}}%
3365 % \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbian}}%
3366 % \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{spanish}}%
3367 % \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{swedish}}%
3368 % \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turkish}}%
3369 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{engels}}%
3370 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{engels}}%
3371 \fi
3372 }

```

Append the definitions to the language-calling commands.

```

3373 \AtBeginDocument{%
3374 \ifbbbfixlanguage
3375 \else
3376 \bbbaddto{dutch}{bibs dutch}
3377 \fi

```


Switch on the change of case in titles for all Dutch dialects by appending `\btxfchangecaseoff` to `\extras<language>`.

```
3378 \bbbbaddto{dutch}{btxfchangecaseoff}
3379 }
3380 </dutch>
```

9.3.18 Swedish

```
3381 <*swedish>
```

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

`\bibsswedish` Bibliographic commands for Swedish.

```
3382 \newcommand\bibsswedish[1][swedish]{%
3383   \def\biblanguagenamename{#1}%
3384   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
3385   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~alii}}%
3386   \def\btxandshort##1{\protect\foreignlanguage{#1}{och}}%
3387   \def\btxandlong##1{\protect\foreignlanguage{#1}{och}}%
3388   \def\btxandcomma##1{,%
3389   \def\btxinlong##1{\protect\foreignlanguage{#1}{i}}%
3390   \def\btxinshort##1{\protect\foreignlanguage{#1}{i}}%
3391   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{av}}%
3392   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{i}}%
3393   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{av}}%
3394   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{i}}%
3395   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
3396   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redakt"or}}%
3397   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
3398   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redakt"orer}}%
3399   \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
3400   \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volym}}%
3401   \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
3402   \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volym}}%
3403   \def\btxnumbershort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
3404   \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nummer}}%
3405   \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{utg}}%
3406   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{utg\aa va}}%
3407   \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}%
3408   \def\btxeditionnumlong##1##2{\btxnumeralshort{##1}~\btxeditionlong{##2}}%
3409   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{kap##1{}}}%
3410   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{kapitel}}%
3411   \def\btxpageshort##1{\protect\foreignlanguage{#1}{ss##1{}}}%
3412   \def\btxpagelong##1{\protect\foreignlanguage{#1}{sida}}%
3413   \def\btxpagesshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
3414   \def\btxpageslong##1{\protect\foreignlanguage{#1}{sidor}}%
3415   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{examensarbete}}%
3416   \def\btxphdthesis##1{\protect\foreignlanguage{#1}{doktorsavhandling}}%
3417   \def\btxtechrepsort##1{\protect\foreignlanguage{#1}{Tekn.\ rapp##1{}}}%
3418   \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Teknisk rapport}}%
```

```

3419 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{januari}}%
3420 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{februari}}%
3421 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{mars}}%
3422 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{april}}%
3423 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{maj}}%
3424 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{juni}}%
3425 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{juli}}%
3426 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{augusti}}%
3427 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{september}}%
3428 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{oktober}}%
3429 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{november}}%
3430 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{december}}%
3431 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{jan##1{}}}%
3432 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{feb##1{}}}%
3433 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mar}}%
3434 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{apr##1{}}}%
3435 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{maj}}%
3436 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{jun##1{}}}%
3437 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{jul##1{}}}%
3438 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{aug##1{}}}%
3439 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{sep##1{}}}%
3440 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{okt##1{}}}%
3441 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
3442 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{dec##1{}}}%
3443 \def\Btxinlong##1{\protect\foreignlanguage{#1}{I}}%
3444 \def\Btxinshort##1{\protect\foreignlanguage{#1}{I}}%
3445 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
3446 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redakt"or}}%
3447 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
3448 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redakt"orer}}%
3449 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3450 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volym}}%
3451 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3452 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volym}}%
3453 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
3454 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nnummer}}%
3455 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Utg}}%
3456 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Utg\aa va}}%
3457 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
3458 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
3459 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Kap##1{}}}%
3460 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Kapitel}}%
3461 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{S##1{}}}%
3462 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Sida}}%
3463 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Ss##1{}}}%
3464 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Sida}}%
3465 \def\Btxtechrepsshort##1{\protect\foreignlanguage{#1}{Tekn.\ Rapp##1{}}}%
3466 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Teknisk Rapport}}%
3467 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, nedladdad ##1}}%
3468 \def\btxfnamespaceshort{\,}%

```

```

3469 \def\btxfnamespacelong{ }%
3470 \def\btxnumeralshort#1{\btxnumeralswedish{swedish}{#1}}%
3471 \def\btxnumeralallong##1{\btxnumeralfallback{#1}{##1}}%
3472 \def\btxnumeralallong##1{%
3473   \ifnumber{##1}{%
3474     \ifcase##1 0:e\or f\orsta\or andra\or tredje\or fj\or"arde\or femte\or
3475     sj\or"atte\or sjunde\or {\aa}ttonde\or nionde\or tionde\or else
3476     \btxnumeralswedish{swedish}{##1}%
3477     \fi}{##1}%
3478   }%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

3479 \def\btxprintmonthyearnum##1##2{##1~##2}%
3480 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
3481 \ifbbblanguagenames
3482   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engelska}}%
3483   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{tyska}}%
3484   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugisiska}}%
3485   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugisiska}}%
3486   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engelska}}%
3487   \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgariska}}%
3488   \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engelska}}%
3489   \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franska}}%
3490   \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalanska}}%
3491   \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroatiska}}%
3492   \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tjeckiska}}%
3493   \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{danska}}%
3494   \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{nederl"andska}}%
3495   \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{engelska}}%
3496   \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
3497   \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finska}}%
3498   \def\btxlanguagenamefrançais{\protect\foreignlanguage{#1}{franska}}%
3499   \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{franska}}%
3500   \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{franska}}%
3501   \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{tyska}}%
3502   \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{tyska}}%
3503   \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{grekiska}}%
3504   \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebreiska}}%
3505   \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{ungerska}}%
3506   \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{isl"andska}}%
3507   \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{iriska}}%
3508   \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italienska}}%
3509   \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latin}}%
3510   \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{tyska}}%
3511   \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{tyska}}%
3512   \def\btxlanguagenamenorsk{\protect\foreignlanguage{#1}{norska}}%
3513   \def\btxlanguagenamenynorsk{\protect\foreignlanguage{#1}{nynorska}}%
3514   \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{polska}}%
3515   \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugisiska}}%
3516   \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugisiska}}%

```

```

3517 \def\btxlanguagenamerussian{\protect\foreignlanguage{#1}{ryska}}%
3518 \def\btxlanguagenamescottish{\protect\foreignlanguage{#1}{skotska}}%
3519 \def\btxlanguagenameserbian{\protect\foreignlanguage{#1}{serbiska}}%
3520 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{spanska}}%
3521 \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{svenska}}%
3522 \def\btxlanguagenameturkish{\protect\foreignlanguage{#1}{turkiska}}%
3523 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{engelska}}%
3524 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{engelska}}%
3525 \fi
3526 }

```

Append the definitions to the language-calling commands.

```

3527 \AtBeginDocument{%
3528 \ifbbbfixlanguage
3529 \else
3530 \bbbaddto{swedish}{bibsswedish}
3531 \fi

```

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

```

3532 \bbbaddto{swedish}{btxifchangeoff}
3533 }
3534 </swedish>

```

9.3.19 Turkish

```
3535 <*turkish>
```

The language definition for Turkish was provided Ahmed Zahid Demirciler.

`\bibsturkish` Bibliographic commands for Turkish.

```

3536 \newcommand\bibsturkish[1][turkish]{%
3537 \def\biblanguagename{#1}%
3538 \def\btxetalshort##1{\protect\foreignlanguage{#1}{vd##1{}}}%
3539 \def\btxetallong##1{\protect\foreignlanguage{#1}{ve di\u{u}gerleri}}%
3540 \def\btxandshort##1{\protect\foreignlanguage{#1}{ve}}%
3541 \def\btxandlong##1{\protect\foreignlanguage{#1}{ve}}%
3542 \def\btxandcomma##1{}%
3543 \def\btxinlong##1{\protect\foreignlanguage{#1}{i\c{c}inde}}%
3544 \def\btxinshort##1{\protect\foreignlanguage{#1}{i\c{c}inde}}%
3545 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{in}}%
3546 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{i\c{c}inde}}%
3547 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{in}}%
3548 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{i\c{c}inde}}%
3549 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
3550 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{edit\{o}r}}%
3551 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
3552 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{edit\{o}rler}}%
3553 \def\btxvolumeshort##1{\protect\foreignlanguage{#1}{C##1{}}}%
3554 \def\btxvolumelong##1{\protect\foreignlanguage{#1}{cilt}}%
3555 % \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{C##1{}}}%

```

```

3556 % \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{cilt}}%
3557 \def\btxjvolumeshort##1{\PackageError{babelbib}{Comment for
3558     btxjvolumeshort in Turkish undefined. Please send the translation to the
3559     authors}{} [#1]}%
3560 \def\btxjvolumelong##1{\PackageError{babelbib}{Comment for
3561     btxjvolumelong in Turkish undefined. Please send the translation to the
3562     authors}{} [#1]}%
3563 \def\btxnnumbershort##1{\protect\foreignlanguage{#1}{S##1{}}}%
3564 \def\btxnnumberlong##1{\protect\foreignlanguage{#1}{say{i}}}%
3565 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{bs##1{}}}%
3566 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{bas{i}m}}%
3567 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{B{"o}l##1{}}}%
3568 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{b{"o}l{"u}m}}%
3569 \def\btxpageshort##1{\protect\foreignlanguage{#1}{s##1{}}}%
3570 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{sayfa}}%
3571 \def\btxpageslong##1{\protect\foreignlanguage{#1}{sy##1{}}}%
3572 \def\btxpageslong##1{\protect\foreignlanguage{#1}{sayfa}}%
3573 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Y{"u}ksek lisans tezi}}%
3574 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Doktora tezi}}%
3575 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Rap##1{}}}%
3576 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Rapor}}%
3577 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Ocak}}%
3578 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{c{S}ubat}}%
3579 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Mart}}%
3580 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{Nisan}}%
3581 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{May{is}}}%
3582 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Haziran}}%
3583 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Temmuz}}%
3584 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{A{u}g{u}stos}}%
3585 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{Eyl{"u}l}}%
3586 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{Ekim}}%
3587 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{Kas{i}m}}%
3588 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Aral{i}}}%
3589 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Oca##1{}}}%
3590 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{c{S}ub##1{}}}%
3591 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{Mar##1{}}}%
3592 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{Nis##1{}}}%
3593 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{May}}%
3594 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{Haz}}%
3595 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{Tem}}%
3596 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{A{u}g{u}##1{}}}%
3597 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{Eyl##1{}}}%
3598 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{Eki##1{}}}%
3599 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{Kas##1{}}}%
3600 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{Ara##1{}}}%
3601 \def\Btxinlong##1{\protect\foreignlanguage{#1}{i{c}{c}inde}}%
3602 \def\Btxinshort##1{\protect\foreignlanguage{#1}{i{c}{c}inde}}%
3603 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
3604 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Edit{"o}r}}%
3605 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%

```

```

3606 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Edit\{"o}rler}}%
3607 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{C##1}}%
3608 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{cilt}}%
3609 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{C##1}}%
3610 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{cilt}}%
3611 \def\Btxjvolumeshort##1{\PackageError{babelbib}{Comment for
3612     btxjvolumeshort in Turkish undefined. Please send the translation to the
3613     authors}{ } [##1]}%
3614 \def\Btxjvolumelong##1{\PackageError{babelbib}{Comment for
3615     btxjvolumelong in Turkish undefined. Please send the translation to the
3616     authors}{ } [##1]}%
3617 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{S##1}}%
3618 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{say{\i}}}%
3619 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{ed##1}}%
3620 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{bas{\i}m}}%
3621 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{B\{"o}l##1}}%
3622 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{b\{"o}l\{"u}m}}%
3623 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{s##1}}%
3624 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{sayfa}}%
3625 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{s##1}}%
3626 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{sayfalar}}%
3627 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Rap##1}}%
3628 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Rapor}}%
3629 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, g\{"o}r\{"u}ld\{"u} ##1}}%
3630 \def\btxfnamespaceshort{}%
3631 \def\btxfnamespacelong{}%
3632 \def\btxnumeralshort##1{\protect\foreignlanguage{#1}{%
3633     \ifnumber{##1}{##1\textsuperscript{\underline a}}{##1}}%
3634 \def\btxnumerallong##1{\btxnumeralshort{#1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

3635 \def\btxprintmonthyearnum##1##2{##1/##2}%
3636 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
3637 \ifbbblanguagenames
3638   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{ingilizce}}%
3639   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{almanca}}%
3640   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portekizce}}%
3641   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portekizce}}%
3642   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{ingilizce}}%
3643   \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgarca}}%
3644   \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{ingilizce}}%
3645   \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{frans{\i}zca}}%
3646   \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalanca}}%
3647   \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{h{\i}rvat{c}a}}%
3648   \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{c{c}ek{c}e}}%
3649   \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{danca}}%
3650   \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{hollandaca}}%
3651   \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{ingilizce}}%
3652   \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
3653   \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{fince}}%

```

```

3654 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{franc\`es}}%
3655 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{frans{\i}zca}}%
3656 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{frans{\i}zca}}%
3657 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{almanca}}%
3658 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{almanca}}%
3659 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{yunanca}}%
3660 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{ibranice}}%
3661 \def\btxlanguagenamehungarian{\protect\foreignlanguage{#1}{macarca}}%
3662 \def\btxlanguagenameicelandic{\protect\foreignlanguage{#1}{izlandaca}}%
3663 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irlandaca}}%
3664 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{italyanca}}%
3665 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latince}}%
3666 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{almanca}}%
3667 \def\btxlanguagenameengerman{\protect\foreignlanguage{#1}{almanca}}%
3668 \def\btxlanguagenameenorsk{\protect\foreignlanguage{#1}{norve\c{c}\c{c}e}}%
3669 \def\btxlanguagenameenorsk{\protect\foreignlanguage{#1}{norve\c{c}\c{c}e}}%
3670 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{leh\c{c}}}%
3671 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portekizce}}%
3672 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portekizce}}%
3673 \def\btxlanguagenameussian{\protect\foreignlanguage{#1}{rus\c{c}a}}%
3674 \def\btxlanguagenamecottish{\protect\foreignlanguage{#1}{isko\c{c}\c{c}a}}%
3675 \def\btxlanguagenameerbian{\protect\foreignlanguage{#1}{s{\i}rp\c{c}a}}%
3676 \def\btxlanguagenameespanish{\protect\foreignlanguage{#1}{espa~no1}}%
3677 \def\btxlanguagenameeswedish{\protect\foreignlanguage{#1}{isve\c{c}\c{c}e}}%
3678 \def\btxlanguagenameeturkish{\protect\foreignlanguage{#1}{t\c{u}rk\c{c}e}}%
3679 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{ingilizce}}%
3680 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{ingilizce}}%
3681 \fi
3682 }

```

Append the definitions to the language-calling commands.

```

3683 \AtBeginDocument{%
3684 \ifbbbfixlanguage
3685 \else
3686 \bbbaddto{turkish}{bibsturkish}
3687 \fi

```

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

```

3688 \bbbaddto{turkish}{btxifchangeoff}
3689 }
3690 </turkish>

```

9.3.20 Afrikaans

```
3691 <*afrikaans>
```

The language definition for Afrikaans was provided by Danie Els.

`\bibsafrikaans` Bibliographic commands for Afrikaans.

```
3692 \newcommand\bibsafrikaans[1][afrikaans]{%
```

```

3693 \def\biblanguagename{#1}%
3694 \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
3695 \def\btxetalallong##1{\protect\foreignlanguage{#1}{et~alii}}%
3696 \def\btxandshort##1{\protect\foreignlanguage{#1}{en}}%
3697 \def\btxandlong##1{\protect\foreignlanguage{#1}{en}}%
3698 \def\btxandcomma##1{\protect\foreignlanguage{#1}{,}}%
3699 \def\btxinlong##1{\protect\foreignlanguage{#1}{in}}%
3700 \def\btxinshort##1{\protect\foreignlanguage{#1}{in}}%
3701 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{van}}%
3702 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{in}}%
3703 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{van}}%
3704 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{in}}%
3705 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
3706 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redakteur}}%
3707 \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{reds##1{}}}%
3708 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redakteurs}}%
3709 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
3710 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volume}}%
3711 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{jg##1{}}}%
3712 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{jaargang}}%
3713 \def\btxnumbershort##1{\protect\foreignlanguage{#1}{no##1{}}}%
3714 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nommer}}%
3715 \def\btxeditionshort##1{\protect\foreignlanguage{#1}{uitg##1{}}}%
3716 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{uitgawe}}%
3717 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionshort{##2}}%
3718 \def\btxeditionnumlong##1##2{\btxnumeralallong{##1}~\btxeditionlong{##2}}%
3719 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{hfst##1{}}}%
3720 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{hoofstuk}}%
3721 \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
3722 \def\btxpagelong##1{\protect\foreignlanguage{#1}{bladsy}}%
3723 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{pp##1{}}}%
3724 \def\btxpageslong##1{\protect\foreignlanguage{#1}{bladsye}}%
3725 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Meesters tesis}}%
3726 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{PhD verhandeling}}%
3727 \def\btxtechrepsshort##1{\protect\foreignlanguage{#1}{Tegn. \ versl##1{}}}%
3728 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Tegniese verslag}}%
3729 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januarie}}%
3730 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februarie}}%
3731 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Maart}}%
3732 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{April}}%
3733 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{Mei}}%
3734 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{Junie}}%
3735 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{Julie}}%
3736 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{Augustus}}%
3737 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{September}}%
3738 \def\btxmonoclong##1{\protect\foreignlanguage{#1}{Oktober}}%
3739 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{November}}%
3740 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{Desember}}%
3741 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
3742 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%

```



```

3743 \def\btixonmarshort##1{\protect\foreignlanguage{#1}{Mrt##1{}}}%
3744 \def\btixonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
3745 \def\btixonmayshort##1{\protect\foreignlanguage{#1}{Mei##1{}}}%
3746 \def\btixonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
3747 \def\btixonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
3748 \def\btixonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
3749 \def\btixonsepshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
3750 \def\btixonoctshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
3751 \def\btixonnovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
3752 \def\btixondecshort##1{\protect\foreignlanguage{#1}{Des##1{}}}%
3753 \def\Btxinlong##1{\protect\foreignlanguage{#1}{In}}%
3754 \def\Btxinshort##1{\protect\foreignlanguage{#1}{In}}%
3755 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
3756 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redakteur}}%
3757 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Reds##1{}}}%
3758 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redakteurs}}%
3759 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3760 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
3761 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Jg##1{}}}%
3762 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Jaargang}}%
3763 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{No##1{}}}%
3764 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nommer}}%
3765 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Uitg##1{}}}%
3766 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Uitgawe}}%
3767 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
3768 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
3769 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Hfst##1{}}}%
3770 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Hoofstuk}}%
3771 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
3772 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Bladsy}}%
3773 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Pp##1{}}}%
3774 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Bladsye}}%
3775 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tegn. \ Verslag}}%
3776 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Tegniese Verslag}}%
3777 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, besoek op ##1}}%
3778 \def\btxfnamespaceshort{\,}%
3779 \def\btxfnamespacelong{ }%
3780 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%
3781 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

3782 \def\btxprintmonthyearnum##1##2{##1/##2}%
3783 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
3784 \ifbbblanguagenames
3785   \def\btxlanguagenameafrikaans{\protect\foreignlanguage{#1}{afrikaans}}%
3786   \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engels}}%
3787   \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{duits}}%
3788   \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugees}}%
3789   \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugees}}%
3790   \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engels}}%

```

```

3791 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgaars}}%
3792 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engels}}%
3793 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{frans}}%
3794 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalaans}}%
3795 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroaties}}%
3796 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{tsjeggies}}%
3797 \def\btxlanguagenamedanish{\protect\foreignlanguage{#1}{deens}}%
3798 \def\btxlanguagenamedutch{\protect\foreignlanguage{#1}{nederlands}}%
3799 \def\btxlanguagenameenglish{\protect\foreignlanguage{#1}{engels}}%
3800 \def\btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
3801 \def\btxlanguagenamefinnish{\protect\foreignlanguage{#1}{fins}}%
3802 \def\btxlanguagenamefrancais{\protect\foreignlanguage{#1}{frans}}%
3803 \def\btxlanguagenamefrench{\protect\foreignlanguage{#1}{frans}}%
3804 \def\btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{frans}}%
3805 \def\btxlanguagenamegermanb{\protect\foreignlanguage{#1}{duits}}%
3806 \def\btxlanguagenamegerman{\protect\foreignlanguage{#1}{duits}}%
3807 \def\btxlanguagenamegreek{\protect\foreignlanguage{#1}{grieks}}%
3808 \def\btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebreeus}}%
3809 \def\btxlanguagenamenhungarian{\protect\foreignlanguage{#1}{hongaars}}%
3810 \def\btxlanguagenamenicelandic{\protect\foreignlanguage{#1}{yslands}}%
3811 \def\btxlanguagenamenirish{\protect\foreignlanguage{#1}{iers}}%
3812 \def\btxlanguagenamenitalian{\protect\foreignlanguage{#1}{italiaans}}%
3813 \def\btxlanguagenamenlatin{\protect\foreignlanguage{#1}{latyn}}%
3814 \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{duits}}%
3815 \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{duits}}%
3816 \def\btxlanguagenamennorsk{\protect\foreignlanguage{#1}{noors}}%
3817 \def\btxlanguagenamennynorsk{\protect\foreignlanguage{#1}{neo-noors}}%
3818 \def\btxlanguagenamenpolish{\protect\foreignlanguage{#1}{pools}}%
3819 \def\btxlanguagenamenportuges{\protect\foreignlanguage{#1}{portugees}}%
3820 \def\btxlanguagenamenportuguese{\protect\foreignlanguage{#1}{portugees}}%
3821 \def\btxlanguagenamenrussian{\protect\foreignlanguage{#1}{russies}}%
3822 \def\btxlanguagenamenscottish{\protect\foreignlanguage{#1}{skots}}%
3823 \def\btxlanguagenamenserbian{\protect\foreignlanguage{#1}{serwies}}%
3824 \def\btxlanguagenamenspanish{\protect\foreignlanguage{#1}{spaans}}%
3825 \def\btxlanguagenamenswedish{\protect\foreignlanguage{#1}{sweeds}}%
3826 \def\btxlanguagenamenturkish{\protect\foreignlanguage{#1}{turks}}%
3827 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{engels}}%
3828 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{engels}}%
3829 \fi
3830 }

```

Append the definitions to the language-calling commands.

```

3831 \AtBeginDocument{%
3832 \ifbbbfixlanguage
3833 \else
3834 \bbbaddto{afrikaans}{bibsafrikaans}
3835 \fi

```

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

```

3836 \bbbbaddto{afrikaans}{btxifchangeceoff}
3837 }
3838 </afrikaans)

```

9.3.21 Bahasa

```
3839 <*bahasa)
```

The language definition for Bahasa was provided by Yanti Yulianti.

\bibsahasa Bibliographic commands for Bahasa.

```

3840 \newcommand\bibsahasa[1][bahasa]{%
3841   \def\biblanguagename{#1}%
3842   \def\btxetalshort##1{\protect\foreignlanguage{#1}{et~al##1{}}}%
3843   \def\btxetallong##1{\protect\foreignlanguage{#1}{en~alii }}%
3844   \def\btxandshort##1{\protect\foreignlanguage{#1}{dan}}%
3845   \def\btxandlong##1{\protect\foreignlanguage{#1}{dan}}%
3846   \def\btxandcomma##1{,}%
3847   \def\btxinlong##1{\protect\foreignlanguage{#1}{dalam}}%
3848   \def\btxinshort##1{\protect\foreignlanguage{#1}{dalam}}%
3849   \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{dari}}%
3850   \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{dalam}}%
3851   \def\btxofserieslong##1{\protect\foreignlanguage{#1}{dari}}%
3852   \def\btxinserieslong##1{\protect\foreignlanguage{#1}{dalam}}%
3853   \def\btxeditorshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
3854   \def\btxeditorlong##1{\protect\foreignlanguage{#1}{redaktur}}%
3855   \def\btxeditorsshort##1{\protect\foreignlanguage{#1}{red##1{}}}%
3856   \def\btxeditorslong##1{\protect\foreignlanguage{#1}{redaktur}}%
3857   \def\btxvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
3858   \def\btxvolumelong##1{\protect\foreignlanguage{#1}{volume}}%
3859   \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
3860   \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volume}}%
3861   \def\btxnumbershort##1{\protect\foreignlanguage{#1}{nr##1{}}}%
3862   \def\btxnumberlong##1{\protect\foreignlanguage{#1}{nomor}}%
3863   \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{edisi}}%
3864   \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edisi}}%
3865   \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}%
3866   \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
3867   \def\btxchaptershort##1{\protect\foreignlanguage{#1}{bab##1{}}}%
3868   \def\btxchapterlong##1{\protect\foreignlanguage{#1}{bab}}%
3869   \def\btxpageshort##1{\protect\foreignlanguage{#1}{hal##1{}}}%
3870   \def\btxpagelong##1{\protect\foreignlanguage{#1}{halaman}}%
3871   \def\btxpagesshort##1{\protect\foreignlanguage{#1}{hal##1{}}}%
3872   \def\btxpageslong##1{\protect\foreignlanguage{#1}{halaman}}%
3873   \def\btxmastthesis##1{\protect\foreignlanguage{#1}{tesis Master}}%
3874   \def\btxphdthesis##1{\protect\foreignlanguage{#1}{disertasi Doktor}}%
3875   \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Lap. \ Rapp##1{}}}%
3876   \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Laporan}}%
3877   \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{Januari}}%
3878   \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{Februari}}%
3879   \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{Maret}}%

```

```

3880 \def\btixonaprlong##1{\protect\foreignlanguage{#1}{April}}%
3881 \def\btixonmaylong##1{\protect\foreignlanguage{#1}{Mei}}%
3882 \def\btixonjunlong##1{\protect\foreignlanguage{#1}{Juni}}%
3883 \def\btixonjullong##1{\protect\foreignlanguage{#1}{Juli}}%
3884 \def\btixonauglong##1{\protect\foreignlanguage{#1}{Augustus}}%
3885 \def\btixonseplong##1{\protect\foreignlanguage{#1}{September}}%
3886 \def\btixonoclong##1{\protect\foreignlanguage{#1}{Oktober}}%
3887 \def\btixonovlong##1{\protect\foreignlanguage{#1}{November}}%
3888 \def\btixondeclong##1{\protect\foreignlanguage{#1}{Desember}}%
3889 \def\btixonjanshort##1{\protect\foreignlanguage{#1}{Jan##1{}}}%
3890 \def\btixonfebshort##1{\protect\foreignlanguage{#1}{Feb##1{}}}%
3891 \def\btixonmarshort##1{\protect\foreignlanguage{#1}{Mrt}}%
3892 \def\btixonaprshort##1{\protect\foreignlanguage{#1}{Apr##1{}}}%
3893 \def\btixonmayshort##1{\protect\foreignlanguage{#1}{Mei}}%
3894 \def\btixonjunshort##1{\protect\foreignlanguage{#1}{Jun##1{}}}%
3895 \def\btixonjulshort##1{\protect\foreignlanguage{#1}{Jul##1{}}}%
3896 \def\btixonaugshort##1{\protect\foreignlanguage{#1}{Aug##1{}}}%
3897 \def\btixonsepshort##1{\protect\foreignlanguage{#1}{Sep##1{}}}%
3898 \def\btixonocshort##1{\protect\foreignlanguage{#1}{Okt##1{}}}%
3899 \def\btixonovshort##1{\protect\foreignlanguage{#1}{Nov##1{}}}%
3900 \def\btixondecshort##1{\protect\foreignlanguage{#1}{Des##1{}}}%
3901 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Dalam}}%
3902 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Dalam}}%
3903 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
3904 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Redaktur}}%
3905 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Red##1{}}}%
3906 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Redaktur}}%
3907 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3908 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
3909 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
3910 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volume}}%
3911 \def\Btxnumbershort##1{\protect\foreignlanguage{#1}{Nr##1{}}}%
3912 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Nomor}}%
3913 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed}}%
3914 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edisi}}%
3915 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
3916 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
3917 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Bab##1{}}}%
3918 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Bab}}%
3919 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Hal##1{}}}%
3920 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Halaman}}%
3921 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Hal##1{}}}%
3922 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Halaman}}%
3923 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Lap.\ Rapp##1{}}}%
3924 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Laporan}}%
3925 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{%
3926     , diambil tanggal ##1}}%
3927 \def\btxfnamespaceshort{\,%
3928 \def\btxfnamespacelong{ }%
3929 \def\btxnumeralshort##1{\btxnumeralfallback{#1}{##1}}%

```

```

3930 \def\btxnumerallong##1{\btxnumeralfallback{#1}{##1}}%
Define how to print month and year in numeric format, e. g. MM/YYYY.
3931 \def\btxprintmonthyearnum##1##2{##1/##2}%
3932 \def\btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
3933 \ifbbblanguagenames
3934 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{inggris}}%
3935 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{jerman}}%
3936 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugis}}%
3937 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugis}}%
3938 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{inggris}}%
3939 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bulgaria}}%
3940 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{inggris}}%
3941 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{prancis}}%
3942 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catalanya}}%
3943 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{kroasia}}%
3944 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{ceko}}%
3945 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{denmark}}%
3946 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{belanda}}%
3947 \def\btxlanguagename english{\protect\foreignlanguage{#1}{inggris}}%
3948 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{spanyol}}%
3949 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finlandia}}%
3950 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{prancis}}%
3951 \def\btxlanguagename french{\protect\foreignlanguage{#1}{prancis}}%
3952 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{prancis}}%
3953 \def\btxlanguagename german{\protect\foreignlanguage{#1}{jerman}}%
3954 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{jerman}}%
3955 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{yunani}}%
3956 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{yahudi}}%
3957 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{hungaria}}%
3958 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{islandia}}%
3959 \def\btxlanguagename irish{\protect\foreignlanguage{#1}{irlandia}}%
3960 \def\btxlanguagename italian{\protect\foreignlanguage{#1}{italia}}%
3961 \def\btxlanguagename latin{\protect\foreignlanguage{#1}{latin}}%
3962 \def\btxlanguagename austrian{\protect\foreignlanguage{#1}{jerman}}%
3963 \def\btxlanguagename german{\protect\foreignlanguage{#1}{jerman}}%
3964 % \def\btxlanguagename norsk{\protect\foreignlanguage{#1}{norwegia}}%
3965 % \def\btxlanguagename nynorsk{\protect\foreignlanguage{#1}{norwegia baru}}%
3966 % \def\btxlanguagename polish{\protect\foreignlanguage{#1}{polish}}%
3967 \def\btxlanguagename portugese{\protect\foreignlanguage{#1}{portugis}}%
3968 \def\btxlanguagename portuguese{\protect\foreignlanguage{#1}{portugis}}%
3969 \def\btxlanguagename russian{\protect\foreignlanguage{#1}{russia}}%
3970 \def\btxlanguagename scottish{\protect\foreignlanguage{#1}{skotlandia}}%
3971 \def\btxlanguagename serbian{\protect\foreignlanguage{#1}{serbia}}%
3972 \def\btxlanguagename spanish{\protect\foreignlanguage{#1}{spanyol}}%
3973 \def\btxlanguagename swedish{\protect\foreignlanguage{#1}{swedia}}%
3974 \def\btxlanguagename turkish{\protect\foreignlanguage{#1}{turki}}%
3975 \def\btxlanguagename UKenglish{\protect\foreignlanguage{#1}{inggris}}%
3976 \def\btxlanguagename USenglish{\protect\foreignlanguage{#1}{inggris}}%
3977 \fi

```

3978 }

Append the definitions to the language-calling commands.

```
3979 \AtBeginDocument{%
3980   \ifbbbfixlanguage
3981   \else
3982     \bbbbaddto{bahasa}{bibsbahasa}
3983   \fi
3984   \bbbbaddto{bahasa}{btxifchangeoff}
3985 }
3986 \</bahasa>
```

9.3.22 Catalan

3987 <*catalan>

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

\bibsafrikaans

```
3988 \newcommand\bibscatalan[1][catalan]{%
3989   \def\biblanguagename{#1}%
3990   \def\btxetalshort##1{\protect\foreignlanguage{#1}{i~al##1{}}}%
3991   \def\btxetalshort##1{\protect\foreignlanguage{#1}{i~altres}}%
3992   \def\btxandshort##1{\protect\foreignlanguage{#1}{i}}%
3993   \def\btxandlong##1{\protect\foreignlanguage{#1}{i}}%
3994   \def\btxandcomma##1{,%
3995     \def\btxinlong##1{\protect\foreignlanguage{#1}{dins}}%
3996     \def\btxinshort##1{\protect\foreignlanguage{#1}{dins}}%
3997     \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{dins}}%
3998     \def\btxofserieslong##1{\protect\foreignlanguage{#1}{de}}%
3999     \def\btxinserieslong##1{\protect\foreignlanguage{#1}{dins}}%
4000     \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
4001     \def\btxeditorlong##1{\protect\foreignlanguage{#1}{editor}}%
4002     \def\btxeditorshort##1{\protect\foreignlanguage{#1}{eds##1{}}}%
4003     \def\btxeditorslong##1{\protect\foreignlanguage{#1}{editors}}%
4004     \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
4005     \def\btxivolumelong##1{\protect\foreignlanguage{#1}{volum}}%
4006     \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{vol##1{}}}%
4007     \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{volum}}%
4008     \def\btxnumbersshort##1{\protect\foreignlanguage{#1}{n}}%
4009     \def\btxnumberlong##1{\protect\foreignlanguage{#1}{n\`umero}}%
4010     \def\btxeditionshort##1{\protect\foreignlanguage{#1}{ed##1{}}}%
4011     \def\btxeditionlong##1{\protect\foreignlanguage{#1}{edici\`o}}%
4012     \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionshort{##2}}%
4013     \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
4014     \def\btxchaptershort##1{\protect\foreignlanguage{#1}{cap##1{}}}%
4015     \def\btxchapterlong##1{\protect\foreignlanguage{#1}{cap\`i\`tol}}%
4016     \def\btxpageshort##1{\protect\foreignlanguage{#1}{p##1{}}}%
4017     \def\btxpagelong##1{\protect\foreignlanguage{#1}{p\`agina}}%
4018     \def\btxpagesshort##1{\protect\foreignlanguage{#1}{ps##1{}}}%
4019     \def\btxpageslong##1{\protect\foreignlanguage{#1}{p\`agines}}%
```

4020 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Tesina de Llicenciatura}}%
4021 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Tesi de Doctorat}}%
4022 \def\btxtechrepsshort##1{\protect\foreignlanguage{#1}{Rep. t\`ecnic}}%
4023 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{Report t\`ecnic}}%
4024 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{gener}}%
4025 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{febrer}}%
4026 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{mar\c{c}}}%
4027 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{abril}}%
4028 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{maig}}%
4029 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{juny}}%
4030 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{juliol}}%
4031 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{agost}}%
4032 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{setembre}}%
4033 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{octubre}}%
4034 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{novembre}}%
4035 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{desembre}}%
4036 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{gen##1{}}}%
4037 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{feb##1{}}}%
4038 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{mar\c{c}}}%
4039 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{abr##1{}}}%
4040 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{maig}}%
4041 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{juny}}%
4042 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{jul}}%
4043 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{ago##1{}}}%
4044 \def\btxmonsepsshort##1{\protect\foreignlanguage{#1}{sep##1{}}}%
4045 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{oct##1{}}}%
4046 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{nov##1{}}}%
4047 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{dec##1{}}}%
4048 \def\Btxinlong##1{\protect\foreignlanguage{#1}{Dins}}%
4049 \def\Btxinshort##1{\protect\foreignlanguage{#1}{Dins}}%
4050 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
4051 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Editor}}%
4052 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
4053 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Editors}}%
4054 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
4055 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Volum}}%
4056 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{Vol##1{}}}%
4057 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Volum}}%
4058 \def\Btxnumbersshort##1{\protect\foreignlanguage{#1}{N\`um}}%
4059 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{N\`umero}}%
4060 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Ed##1{}}}%
4061 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Edici\`o}}%
4062 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
4063 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
4064 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Cap##1{}}}%
4065 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Cap\`itoll}}%
4066 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
4067 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{P\`agina}}%
4068 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{P##1{}}}%
4069 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{P\`agines}}%

```

4070 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Rep. t\`ecnic}}%
4071 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{Report t\`ecnic}}%
4072 \def\Btxurldatecomment##1{\protect\foreignlanguage{#1}{, visitada el ##1}}%
4073 \def\Btxfnamespaceshort{\,}%
4074 \def\Btxfnamespacelong{ }%
4075 \def\Btxnumeralshort##1{\Btxnumeralfallback{#1}{##1}}%
4076 \def\Btxnumerallong##1{\Btxnumeralfallback{#1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

4077 \def\Btxprintmonthyearnum##1##2{##1/##2}%
4078 \def\Btxkeywordlanguage##1{\protect\selectlanguage{#1}##1}}%
4079 \ifbbblanguagenames
4080 \def\Btxlanguagenameamerican{\protect\foreignlanguage{#1}{angl\`es}}%
4081 \def\Btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem\`any}}%
4082 \def\Btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugu\`es}}%
4083 \def\Btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugu\`es}}%
4084 \def\Btxlanguagenamebritish{\protect\foreignlanguage{#1}{angl\`es}}%
4085 \def\Btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{b\`ulgar}}%
4086 \def\Btxlanguagenamecanadian{\protect\foreignlanguage{#1}{angl\`es}}%
4087 \def\Btxlanguagenamecanadien{\protect\foreignlanguage{#1}{franc\`es}}%
4088 \def\Btxlanguagenamecatalan{\protect\foreignlanguage{#1}{catal\`a}}%
4089 \def\Btxlanguagenamecroatian{\protect\foreignlanguage{#1}{croat}}%
4090 \def\Btxlanguagenameczech{\protect\foreignlanguage{#1}{txec}}%
4091 \def\Btxlanguagenamedanish{\protect\foreignlanguage{#1}{dan\`es}}%
4092 \def\Btxlanguagename dutch{\protect\foreignlanguage{#1}{neerland\`es}}%
4093 \def\Btxlanguagenameenglish{\protect\foreignlanguage{#1}{angl\`es}}%
4094 \def\Btxlanguagenameesperanto{\protect\foreignlanguage{#1}{esperanto}}%
4095 \def\Btxlanguagenamefinnish{\protect\foreignlanguage{#1}{finland\`es}}%
4096 \def\Btxlanguagenamefrancais{\protect\foreignlanguage{#1}{franc\`es}}%
4097 \def\Btxlanguagenamefrench{\protect\foreignlanguage{#1}{franc\`es}}%
4098 \def\Btxlanguagenamefrenchb{\protect\foreignlanguage{#1}{franc\`es}}%
4099 \def\Btxlanguagenamegerman{\protect\foreignlanguage{#1}{alem\`any}}%
4100 \def\Btxlanguagenamegermanb{\protect\foreignlanguage{#1}{alem\`any}}%
4101 \def\Btxlanguagenamegreek{\protect\foreignlanguage{#1}{grec}}%
4102 \def\Btxlanguagenamehebrew{\protect\foreignlanguage{#1}{hebreu}}%
4103 \def\Btxlanguagenamehungarian{\protect\foreignlanguage{#1}{hongar\`es}}%
4104 \def\Btxlanguagenameicelandic{\protect\foreignlanguage{#1}{island\`es}}%
4105 \def\Btxlanguagenameirish{\protect\foreignlanguage{#1}{irland\`es}}%
4106 \def\Btxlanguagenameitalian{\protect\foreignlanguage{#1}{itali\`a}}%
4107 \def\Btxlanguagenamelatin{\protect\foreignlanguage{#1}{llat\`i}}%
4108 \def\Btxlanguagenameaustrian{\protect\foreignlanguage{#1}{alem\`any}}%
4109 \def\Btxlanguagenamegerman{\protect\foreignlanguage{#1}{alem\`any}}%
4110 \def\Btxlanguagename nor sk{\protect\foreignlanguage{#1}{noruec}}%
4111 \def\Btxlanguagename nynorsk{\protect\foreignlanguage{#1}{noruec}}%
4112 \def\Btxlanguagename polish{\protect\foreignlanguage{#1}{polon\`es}}%
4113 \def\Btxlanguagenameportugues{\protect\foreignlanguage{#1}{portugu\`es}}%
4114 \def\Btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugu\`es}}%
4115 \def\Btxlanguagename russian{\protect\foreignlanguage{#1}{rus}}%
4116 \def\Btxlanguagename scottish{\protect\foreignlanguage{#1}{escoc\`es}}%
4117 \def\Btxlanguagename serbian{\protect\foreignlanguage{#1}{serbi}}%

```



```

4118 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{espa\~no1}}%
4119 \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{suec}}%
4120 \def\btxlanguagenameturkish{\protect\foreignlanguage{#1}{turc}}%
4121 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{angl\`es}}%
4122 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{angl\`es}}%
4123 \fi
4124 }

```

Append the definitions to the language-calling commands.

```

4125 \AtBeginDocument{%
4126 \ifbbbfixlanguage
4127 \else
4128 \bbbaddto{catalan}{bibscatalan}
4129 \fi

```

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

```

4130 \bbbaddto{catalan}{btxifchangeoff}
4131 }
4132 </catalan>

```

9.3.23 Croatian

```
4133 <*croatian>
```

The language definition for Croatian was provided by Vedran Miletic (vmiletic@inf.uniri.hr), Ivan Kokan (ivan.kokan@gmail.com), and Ivica Nakić (nakic@math.hr).

```
\bibscroatian
```

```

4134 \newcommand\bibscroatian[1][croatian]{%
4135 \def\biblanguagename{#1}%
4136 \def\btxetalshort##1{\protect\foreignlanguage{#1}{i~ost##1}}%
4137 \def\btxetallong##1{\protect\foreignlanguage{#1}{i~ostali}}%
4138 \def\btxandshort##1{\protect\foreignlanguage{#1}{i}}%
4139 \def\btxandlong##1{\protect\foreignlanguage{#1}{i}}%
4140 \def\btxandcomma##1{%
4141 \def\btxinlong##1{\protect\foreignlanguage{#1}{u}}%
4142 \def\btxinshort##1{\protect\foreignlanguage{#1}{u}}%
4143 \def\btxofseriesshort##1{\protect\foreignlanguage{#1}{iz}}%
4144 \def\btxinseriesshort##1{\protect\foreignlanguage{#1}{u}}%
4145 \def\btxofserieslong##1{\protect\foreignlanguage{#1}{iz}}%
4146 \def\btxinserieslong##1{\protect\foreignlanguage{#1}{u}}%
4147 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ur##1}}%
4148 \def\btxeditorlong##1{\protect\foreignlanguage{#1}{urednik}}%
4149 \def\btxeditorshort##1{\protect\foreignlanguage{#1}{ur##1}}%
4150 \def\btxeditorslong##1{\protect\foreignlanguage{#1}{urednici}}%
4151 \def\btxivolumeshort##1{\protect\foreignlanguage{#1}{sv##1}}%
4152 \def\btxivolumelong##1{\protect\foreignlanguage{#1}{svezak}}%
4153 \def\btxjvolumeshort##1{\protect\foreignlanguage{#1}{god##1}}%
4154 \def\btxjvolumelong##1{\protect\foreignlanguage{#1}{godina}}%
4155 \def\btxnumbersshort##1{\protect\foreignlanguage{#1}{br##1}}%

```

```

4156 \def\btxnumberlong##1{\protect\foreignlanguage{#1}{broj}}%
4157 \def\btxeditionsshort##1{\protect\foreignlanguage{#1}{izd##1}}%
4158 \def\btxeditionlong##1{\protect\foreignlanguage{#1}{izdanje}}%
4159 \def\btxeditionnumshort##1##2{\btxnumeralshort{##1}~\btxeditionsshort{##2}}%
4160 \def\btxeditionnumlong##1##2{\btxnumerallong{##1}~\btxeditionlong{##2}}%
4161 \def\btxchaptershort##1{\protect\foreignlanguage{#1}{pogl##1}}%
4162 \def\btxchapterlong##1{\protect\foreignlanguage{#1}{poglavlje}}%
4163 \def\btxpageshort##1{\protect\foreignlanguage{#1}{str##1}}%
4164 \def\btxpagelong##1{\protect\foreignlanguage{#1}{stranica}}%
4165 \def\btxpagesshort##1{\protect\foreignlanguage{#1}{str##1}}%
4166 \def\btxpageslong##1{\protect\foreignlanguage{#1}{stranice}}%
4167 \def\btxmastthesis##1{\protect\foreignlanguage{#1}{Magistarski rad}}%
4168 \def\btxphdthesis##1{\protect\foreignlanguage{#1}{Disertacija}}%
4169 \def\btxtechrepshort##1{\protect\foreignlanguage{#1}{Tehn.\ izvj##1}}%
4170 \def\btxtechreplong##1{\protect\foreignlanguage{#1}{%
4171     Tehni\v{c}ki izvje\v{s}taj}}%
4172 \def\btxmonjanlong##1{\protect\foreignlanguage{#1}{sije\v{c}anj}}%
4173 \def\btxmonfeblong##1{\protect\foreignlanguage{#1}{velja\v{c}a}}%
4174 \def\btxmonmarlong##1{\protect\foreignlanguage{#1}{o\v{z}ujak}}%
4175 \def\btxmonaprlong##1{\protect\foreignlanguage{#1}{travanj}}%
4176 \def\btxmonmaylong##1{\protect\foreignlanguage{#1}{svibanj}}%
4177 \def\btxmonjunlong##1{\protect\foreignlanguage{#1}{lipanj}}%
4178 \def\btxmonjullong##1{\protect\foreignlanguage{#1}{srpanj}}%
4179 \def\btxmonauglong##1{\protect\foreignlanguage{#1}{kolovoz}}%
4180 \def\btxmonseplong##1{\protect\foreignlanguage{#1}{rujan}}%
4181 \def\btxmonoctlong##1{\protect\foreignlanguage{#1}{listopad}}%
4182 \def\btxmonnovlong##1{\protect\foreignlanguage{#1}{studenj}}%
4183 \def\btxmondeclong##1{\protect\foreignlanguage{#1}{prosinac}}%
4184 \def\btxmonjanshort##1{\protect\foreignlanguage{#1}{sij##1}}%
4185 \def\btxmonfebshort##1{\protect\foreignlanguage{#1}{velj##1}}%
4186 \def\btxmonmarshort##1{\protect\foreignlanguage{#1}{o\v{z}u##1}}%
4187 \def\btxmonaprshort##1{\protect\foreignlanguage{#1}{tra##1}}%
4188 \def\btxmonmayshort##1{\protect\foreignlanguage{#1}{svi##1}}%
4189 \def\btxmonjunshort##1{\protect\foreignlanguage{#1}{lip##1}}%
4190 \def\btxmonjulshort##1{\protect\foreignlanguage{#1}{srp##1}}%
4191 \def\btxmonaugshort##1{\protect\foreignlanguage{#1}{kol##1}}%
4192 \def\btxmonsephshort##1{\protect\foreignlanguage{#1}{ruj##1}}%
4193 \def\btxmonoctshort##1{\protect\foreignlanguage{#1}{lis##1}}%
4194 \def\btxmonnovshort##1{\protect\foreignlanguage{#1}{stu##1}}%
4195 \def\btxmondecshort##1{\protect\foreignlanguage{#1}{pro##1}}%
4196 \def\Btxinlong##1{\protect\foreignlanguage{#1}{U}}%
4197 \def\Btxinshort##1{\protect\foreignlanguage{#1}{U}}%
4198 \def\Btxeditorshort##1{\protect\foreignlanguage{#1}{Ur##1}}%
4199 \def\Btxeditorlong##1{\protect\foreignlanguage{#1}{Urednik}}%
4200 \def\Btxeditorsshort##1{\protect\foreignlanguage{#1}{Ur##1}}%
4201 \def\Btxeditorslong##1{\protect\foreignlanguage{#1}{Urednici}}%
4202 \def\Btxvolumeshort##1{\protect\foreignlanguage{#1}{Sv##1}}%
4203 \def\Btxvolumelong##1{\protect\foreignlanguage{#1}{Svezak}}%
4204 \def\Btxjvolumeshort##1{\protect\foreignlanguage{#1}{God##1}}%
4205 \def\Btxjvolumelong##1{\protect\foreignlanguage{#1}{Godina}}%

```

```

4206 \def\Btxnumbersshort##1{\protect\foreignlanguage{#1}{Br##1{}}}%
4207 \def\Btxnumberlong##1{\protect\foreignlanguage{#1}{Broj}}%
4208 \def\Btxeditionshort##1{\protect\foreignlanguage{#1}{Izd##1{}}}%
4209 \def\Btxeditionlong##1{\protect\foreignlanguage{#1}{Izdanje}}%
4210 \def\Btxeditionnumshort##1##2{\btxnumeralshort{##1}~\Btxeditionshort{##2}}%
4211 \def\Btxeditionnumlong##1##2{\btxnumerallong{##1}~\Btxeditionlong{##2}}%
4212 \def\Btxchaptershort##1{\protect\foreignlanguage{#1}{Pogl##1{}}}%
4213 \def\Btxchapterlong##1{\protect\foreignlanguage{#1}{Poglavlje}}%
4214 \def\Btxpageshort##1{\protect\foreignlanguage{#1}{Str##1{}}}%
4215 \def\Btxpagelong##1{\protect\foreignlanguage{#1}{Stranica}}%
4216 \def\Btxpagesshort##1{\protect\foreignlanguage{#1}{Str##1{}}}%
4217 \def\Btxpageslong##1{\protect\foreignlanguage{#1}{Stranice}}%
4218 \def\Btxtechrepsort##1{\protect\foreignlanguage{#1}{Tehn.\ izvj##1{}}}%
4219 \def\Btxtechreplong##1{\protect\foreignlanguage{#1}{%
4220 Tehni\v{c}ki izvje\v{s}taj}}%
4221 \def\btxurldatecomment##1{\protect\foreignlanguage{#1}{, posje\v{c}eno ##1}}%
4222 \def\btxfnamespaceshort{\ }%
4223 \def\btxfnamespacelong{ }%
4224 \def\btxnumeralshort##1{\btxnumeraldot{##1}{##1}}%
4225 \def\btxnumerallong##1{\btxnumeraldot{##1}{##1}}%

```

Define how to print month and year in numeric format, e. g. MM/YYYY.

```

4226 \def\btxprintmonthyearnum##1##2{##1/##2}%
4227 \def\btxkeywordlanguage##1{\protect\selectlanguage{##1}}%
4228 \ifbbblanguagenames
4229 \def\btxlanguagenameamerican{\protect\foreignlanguage{#1}{engleski}}%
4230 \def\btxlanguagenameaustrian{\protect\foreignlanguage{#1}{njema\v{c}ki}}%
4231 \def\btxlanguagenamebrazil{\protect\foreignlanguage{#1}{portugalski}}%
4232 \def\btxlanguagenamebrazilian{\protect\foreignlanguage{#1}{portugalski}}%
4233 \def\btxlanguagenamebritish{\protect\foreignlanguage{#1}{engleski}}%
4234 \def\btxlanguagenamebulgarian{\protect\foreignlanguage{#1}{bugarski}}%
4235 \def\btxlanguagenamecanadian{\protect\foreignlanguage{#1}{engleski}}%
4236 \def\btxlanguagenamecanadien{\protect\foreignlanguage{#1}{francuski}}%
4237 \def\btxlanguagenamecatalan{\protect\foreignlanguage{#1}{katalonski}}%
4238 \def\btxlanguagenamecroatian{\protect\foreignlanguage{#1}{hrvatski}}%
4239 \def\btxlanguagenameczech{\protect\foreignlanguage{#1}{\v{c}e\v{s}ki}}%
4240 \def\btxlanguagename danish{\protect\foreignlanguage{#1}{danski}}%
4241 \def\btxlanguagename dutch{\protect\foreignlanguage{#1}{nizozemski}}%
4242 \def\btxlanguagename english{\protect\foreignlanguage{#1}{engleski}}%
4243 \def\btxlanguagename esperanto{\protect\foreignlanguage{#1}{esperanto}}%
4244 \def\btxlanguagename finnish{\protect\foreignlanguage{#1}{finski}}%
4245 \def\btxlanguagename francais{\protect\foreignlanguage{#1}{francuski}}%
4246 \def\btxlanguagename french{\protect\foreignlanguage{#1}{francuski}}%
4247 \def\btxlanguagename frenchb{\protect\foreignlanguage{#1}{francuski}}%
4248 \def\btxlanguagename german{\protect\foreignlanguage{#1}{njema\v{c}ki}}%
4249 \def\btxlanguagename germanb{\protect\foreignlanguage{#1}{njema\v{c}ki}}%
4250 \def\btxlanguagename greek{\protect\foreignlanguage{#1}{gr\v{c}ki}}%
4251 \def\btxlanguagename hebrew{\protect\foreignlanguage{#1}{hebrejski}}%
4252 \def\btxlanguagename hungarian{\protect\foreignlanguage{#1}{ma\dj{a}rski}}%
4253 \def\btxlanguagename icelandic{\protect\foreignlanguage{#1}{islandski}}%

```

```

4254 \def\btxlanguagenameirish{\protect\foreignlanguage{#1}{irski}}%
4255 \def\btxlanguagenameitalian{\protect\foreignlanguage{#1}{talijanski}}%
4256 \def\btxlanguagenamelatin{\protect\foreignlanguage{#1}{latinski}}%
4257 \def\btxlanguagenamenaustrian{\protect\foreignlanguage{#1}{njema\v{c}ki}}%
4258 \def\btxlanguagenamengerman{\protect\foreignlanguage{#1}{njema\v{c}ki}}%
4259 \def\btxlanguagenamenorsk{\protect\foreignlanguage{#1}{norve\v{s}ki}}%
4260 \def\btxlanguagenamenynorsk{\protect\foreignlanguage{#1}{novonorve\v{s}ki}}%
4261 \def\btxlanguagenamepolish{\protect\foreignlanguage{#1}{poljski}}%
4262 \def\btxlanguagenameportuges{\protect\foreignlanguage{#1}{portugalski}}%
4263 \def\btxlanguagenameportuguese{\protect\foreignlanguage{#1}{portugalski}}%
4264 \def\btxlanguagenamerussian{\protect\foreignlanguage{#1}{ruski}}%
4265 \def\btxlanguagenamescottish{\protect\foreignlanguage{#1}{\v{s}kotski}}%
4266 \def\btxlanguagenameserbian{\protect\foreignlanguage{#1}{srpski}}%
4267 \def\btxlanguagenamespanish{\protect\foreignlanguage{#1}{\v{s}panjolski}}%
4268 \def\btxlanguagenameswedish{\protect\foreignlanguage{#1}{\v{s}vedski}}%
4269 \def\btxlanguagenameturkish{\protect\foreignlanguage{#1}{turski}}%
4270 \def\btxlanguagenameUKenglish{\protect\foreignlanguage{#1}{engleski}}%
4271 \def\btxlanguagenameUSenglish{\protect\foreignlanguage{#1}{engleski}}%
4272 \fi
4273 }

```

Append the definitions to the language-calling commands.

```

4274 \AtBeginDocument{%
4275 \ifbbbfixlanguage
4276 \else
4277 \bbbaddto{croatian}{bibsroatian}
4278 \fi

```

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

```

4279 \bbbaddto{croatian}{btxifchangeoff}
4280 }
4281 </croatian>

```

10 BIB_TE_X style files

10.1 “Normal” BIB_TE_X style files

10.1.1 Generic code

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

```
4282 <*bststd>
```

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

```

4283 ENTRY
4284 { address
4285   annotate
4286   annotelanguage

```

```

4287     author
4288     booktitle
4289     chapter
4290     edition
4291     editor
4292     howpublished
4293     institution
4294     isbn
4295     issn
4296     journal
4297     key
4298     language
4299     month
4300     note
4301     number
4302     organization
4303     pages
4304     publisher
4305     school
4306     series
4307     title
4308     type
4309     url
4310     urldate
4311     volume
4312     year
4313 }
4314 {}
4315 </bststd>
4316 <bststd&!bstalpha> { label }
4317 <bststd & bstalpha> { label extra.label sort.label }
4318 <*bststd>
4319

```

Declare integer variables.

```

4320 INTEGERS
4321 { output.state
4322     before.all
4323     mid.sentence
4324     after.sentence
4325     after.block
4326     before.title
4327 }
4328

```

Declare string variables.

```

4329 STRINGS
4330 { s
4331     t
4332     language.state
4333     change.temp

```

```

4334     isbn.command
4335 }
4336

```

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

```

4337 FUNCTION {init.state.consts}
4338 { #0 'before.all :=
4339   #1 'mid.sentence :=
4340   #2 'after.sentence :=
4341   #3 'after.block :=
4342   #4 'before.title :=
4343   "nostate" 'language.state :=
4344 }
4345

```

Logical function not.

Syntax: $\langle int1 \rangle$ not $\rightarrow \langle int2 \rangle$.

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

```

4346 FUNCTION {not}
4347 { { #0 }
4348   { #1 }
4349   if$
4350 }
4351

```

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.

```

4352 FUNCTION {and}
4353 { 'skip$
4354   { pop$ #0 }
4355   if$
4356 }
4357

```

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.

```

4358 FUNCTION {or}
4359 { { pop$ #1 }
4360   'skip$
4361   if$
4362 }
4363

```

Function language.change.case. Syntax: $\langle string1 \rangle \langle string2 \rangle$ language.change.case $\rightarrow \langle string3 \rangle$ 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.

```

4364 FUNCTION {language.change.case}
4365 {
4366   'change.temp :=
4367   't :=

```

```

4368 "\btxifchange case {"
4369 t change.temp change.case$ *
4370 "}{ " *
4371 t *
4372 "}" *
4373 }
4374

```

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

```

4375 FUNCTION {output.nonnull}
4376 { 's :=
4377   output.state mid.sentence =
4378   { ", " * write$ }
4379   { output.state after.block =
4380     { add.period$ write$
4381       newline$
4382       "\newblock " write$
4383     }
4384     { output.state before.all =
4385       'write$
4386       {
4387         output.state before.title =
4388         { "\btxauthorcolon\ " * write$ }
4389         { add.period$ " " * write$ }
4390         if$
4391       }
4392       if$
4393     }
4394     if$
4395     mid.sentence 'output.state :=
4396   }
4397   if$
4398   s
4399 }
4400

```

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

```

4401 FUNCTION {output}
4402 { duplicate$ empty$
4403   'pop$
4404   'output.nonnull
4405   if$
4406 }
4407
4408 FUNCTION {output.check}
4409 { 't :=
4410   duplicate$ empty$
4411   { pop$ "empty " t * " in " * cite$ * warning$ }

```

```

4412   'output.nonnull
4413   if$
4414 }
4415

```

Outputs a bibliography item.

```

4416 FUNCTION {output.bibitem}
4417 { newline$

```

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

```

4418   language empty$
4419   {
4420     language.state "nolanguage" =
4421     'skip$
4422     {
4423       "empty language in " cite$ * warning$
4424       "\expandafter\btselectlanguage\expandafter {"
4425       "\btxfallbacklanguage}" *
4426       write$ newline$
4427     }
4428     if$
4429     "nolanguage" 'language.state :=
4430   }
4431   {
4432     language.state language =
4433     'skip$
4434     {
4435       "\btselectlanguage {" language * "}" *
4436       write$ newline$
4437     }
4438     if$
4439     language 'language.state :=
4440   }
4441   if$
4442 </bststd>
4443 <bststd&!bstalpha> "\bibitem {" write$
4444 <bststd & bstalpha> "\bibitem [{" label * "}]{" * write$
4445 <*bststd>
4446   cite$ write$
4447   "}" write$
4448   newline$
4449   ""
4450   before.all 'output.state :=
4451 }
4452

```

Output an ISBN or ISSN.

Syntax: `<string1> <string2> output.isbn`

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

```

4453 FUNCTION {output.isbn}
4454 {
4455   'isbn.command :=
4456   duplicate$
4457   empty$
4458   'pop$
4459   {
4460     's :=
4461     output.state mid.sentence =
4462     {
4463       isbn.command * " {, " * write$
4464       s "}" *
4465     }
4466     { output.state after.block =
4467       {
4468         add.period$
4469         write$
4470         newline$
4471         "\newblock " write$
4472         isbn.command " {" * s * "." *
4473       }
4474       { output.state before.all =
4475         {
4476           write$
4477           isbn.command " {" * write$
4478           s "}" *
4479         }
4480         {
4481           output.state before.title =
4482           {
4483             "\btxauthorcolon\ " * write$
4484             isbn.command " {" * write$
4485             s "}" *
4486           }
4487           {
4488             add.period$ " " * write$
4489             isbn.command " {" * write$
4490             s "." *
4491           }
4492           if$
4493         }
4494         if$
4495       }
4496       if$
4497       mid.sentence 'output.state :=
4498     }

```

```
4499     if$
4500   }
4501   if$
4502 }
4503
```

Completes an entry.

```
4504 FUNCTION {fin.entry}
4505 { add.period$
4506   write$
4507   newline$
4508 }
4509
```

```
4510 FUNCTION {new.block}
4511 { output.state before.all =
4512   'skip$
4513   { after.block 'output.state := }
4514   if$
4515 }
4516
```

```
4517 FUNCTION {new.sentence}
4518 { output.state after.block =
4519   'skip$
4520   { output.state before.all =
4521     'skip$
4522     { after.sentence 'output.state := }
4523     if$
4524   }
4525   if$
4526 }
4527
```

```
4528 FUNCTION {after.authors}
4529 { output.state before.all =
4530   'skip$
4531   { before.title 'output.state := }
4532   if$
4533 }
4534
```

```
4535 FUNCTION {new.block.checka}
4536 { empty$
4537   'skip$
4538   'new.block
4539   if$
4540 }
4541
```

```
4542 FUNCTION {new.block.checkb}
4543 { empty$
4544   swap$ empty$
```

```

4545 and
4546   'skip$
4547   'new.block
4548 if$
4549 }
4550
4551 FUNCTION {new.block.checkc}
4552 { empty$
4553   swap$ empty$
4554   and
4555   'skip$
4556   'after.authors
4557 if$
4558 }
4559
4560 FUNCTION {new.sentence.checka}
4561 { empty$
4562   'skip$
4563   'new.sentence
4564 if$
4565 }
4566
4567 FUNCTION {new.sentence.checkb}
4568 { empty$
4569   swap$ empty$
4570   and
4571   'skip$
4572   'new.sentence
4573 if$
4574 }
4575
4576 FUNCTION {field.or.null}
4577 { duplicate$ empty$
4578   { pop$ "" }
4579   'skip$
4580 if$
4581 }
4582
4583 FUNCTION {namefont}
4584 { duplicate$ empty$
4585   { pop$ "" }
4586   { "\btinamefont {" swap$ * "}" * }
4587 if$
4588 }
4589
4590 FUNCTION {lastnamefont}

```

```

4591 { duplicate$ empty$
4592   { pop$ "" }
4593   { "\btxlastnameont {" swap$ * "}" * }
4594   if$
4595 }

```

Set font for titles:

```

4596 FUNCTION {titlefont}
4597 { duplicate$ empty$
4598   { pop$ "" }
4599   { "\btxttitlefont {" swap$ * "}" * }
4600   if$
4601 }

```

Set font for titles of articles in journals:

```

4602 FUNCTION {jtitlefont}
4603 { duplicate$ empty$
4604   { pop$ "" }
4605   { "\btxjtitlefont {" swap$ * "}" * }
4606   if$
4607 }

```

Set font for the journal name:

```

4608 FUNCTION {journalfont}
4609 { duplicate$ empty$
4610   { pop$ "" }
4611   { "\btxjournalfont {" swap$ * "}" * }
4612   if$
4613 }

```

Set font for the publisher name:

```

4614 FUNCTION {publisherfont}
4615 { duplicate$ empty$
4616   { pop$ "" }
4617   { "\btxpublisherfont {" swap$ * "}" * }
4618   if$
4619 }

```

```

4620 FUNCTION {volumefont}
4621 { duplicate$ empty$
4622   { pop$ "" }
4623   { "\btxvolumeont {" swap$ * "}" * }
4624   if$
4625 }
4626

```

```

4627 FUNCTION {etalfont}
4628 { duplicate$ empty$
4629   { pop$ "" }
4630   { "\btxetalfont {" swap$ * "}" * }
4631   if$
4632 }
4633

```

```

4634 INTEGERS { nameptr namesleft numnames }
4635
4636 FUNCTION {format.names}
4637 { 's :=
4638   #1 'nameptr :=
4639   s num.names$ 'numnames :=
4640   numnames 'namesleft :=
4641   { namesleft #0 > }
4642   { nameptr #1 >
4643     {
4644 </bststd>
4645 <*bststd&!bstshort&!namevarb>
4646       s nameptr "{ff{\btxfnamespacelong } }{vv~}" format.name$
4647       s nameptr "{l1}" format.name$ lastnamefont *
4648       s nameptr "{, jj}" format.name$ *
4649       't :=
4650 </bststd&!bstshort&!namevarb>
4651 <*bststd & bstshort&!namevarb>
4652       s nameptr
4653       "{f{\. \btxfnamespaceshort }.~}{vv~}" format.name$
4654       s nameptr "{l1}" format.name$ lastnamefont *
4655       s nameptr "{, ~jj}" format.name$ *
4656       't :=
4657 </bststd & bstshort&!namevarb>
4658 <*bststd&!bstshort & namevarb>
4659       s nameptr "{l1}" format.name$ lastnamefont
4660       s nameptr "{, ~jj}{, ff{\btxfnamespacelong } }{~vv}" format.name$ *
4661       't :=
4662 </bststd&!bstshort & namevarb>
4663 <*bststd & bstshort & namevarb>
4664       s nameptr "{l1}" format.name$ lastnamefont
4665       s nameptr "{, ~jj}{, ~f{\. \btxfnamespaceshort }.}{~vv}" format.name$ *
4666       't :=
4667 </bststd & bstshort & namevarb>
4668 <*bststd & bstthree>
4669       namesleft #2 >
4670       { " " "\btxetalshort {.}" etalfont * *
4671         #1 'namesleft := }
4672       {
4673 </bststd & bstthree>
4674 <*bststd>
4675       namesleft #1 >
4676       { ", " * t namefont * }
4677       { numnames #2 >
4678         { "\btxandcomma {}" * }
4679         'skip$
4680         if$
4681         s nameptr "{ff~}{vv~}{l1}{, jj}" format.name$ "others" =
4682         { " " "\btxetalshort {.}" etalfont * * }

```

```

4683 </bststd>
4684 <bststd&!bstshort>                                { " \btxandlong {} \ " * t namefont * }
4685 <bststd & bstshort>                               { " \btxandshort {.\} \ " * t namefont * }
4686 <*bststd & bstthree>
4687             if$
4688             }
4689 </bststd & bstthree>
4690 <*bststd>
4691             if$
4692             }
4693             if$
4694             }
4695             {
4696 </bststd>
4697 <*bststd&!bstshort&!namevara>
4698             s nameptr "{11}" format.name$ lastnamefont
4699             s nameptr "{,~jj}{, ff{\btxfnamespacelong }}{~vv}"
4700             format.name$ * namefont
4701 </bststd&!bstshort&!namevara>
4702 <*bststd & bstshort&!namevara>
4703             s nameptr "{11}" format.name$ lastnamefont
4704             s nameptr "{,~jj}{,~f{.\btxfnamespaceshort }.}{~vv}"
4705             format.name$ * namefont
4706 </bststd & bstshort&!namevara>
4707 <*bststd&!bstshort & namevara>
4708             s nameptr "{ff{\btxfnamespacelong }}{vv~}" format.name$
4709             s nameptr "{11}" format.name$ lastnamefont *
4710             s nameptr "{,~jj}" format.name$ * namefont
4711 </bststd&!bstshort & namevara>
4712 <*bststd & bstshort & namevara>
4713             s nameptr "{f{.\btxfnamespaceshort }.~}{vv~}" format.name$
4714             s nameptr "{11}" format.name$ lastnamefont *
4715             s nameptr "{,~jj}" format.name$ * namefont
4716 </bststd & bstshort & namevara>
4717 <*bststd>
4718             }
4719             if$
4720             nameptr #1 + 'nameptr :=
4721             namesleft #1 - 'namesleft :=
4722             }
4723 while$
4724 }
4725
4726 FUNCTION {format.authors}
4727 { author empty$
4728   { "" }
4729   { author format.names }
4730   if$
4731 }

```

```

4732
4733 FUNCTION {format.editors}
4734 { editor empty$
4735   { "" }
4736   { editor format.names
4737     editor num.names$ #1 >
4738 </bststd>
4739 <*bststd&!bstshort>
4740   { "\ (\btxeditorslong {})" * }
4741   { "\ (\btxeditorlong {})" * }
4742 </bststd&!bstshort>
4743 <*bststd & bstshort>
4744   { "\ (\btxeditorsshort {.})" * }
4745   { "\ (\btxeditorshort {.})" * }
4746 </bststd & bstshort>
4747 <*bststd>
4748   if$
4749   }
4750 if$
4751 }

  Format the title:
4752 FUNCTION {format.title}
4753 { title empty$
4754   { "" }
4755   { title "t" language.change.case titlefont }
4756 if$
4757 }

  Format the title of a journal article:
4758 FUNCTION {format.jtitle}
4759 { title empty$
4760   { "" }
4761   { title "t" language.change.case jtitlefont }
4762 if$
4763 }

4764 FUNCTION {n.dashify}
4765 { 't :=
4766   ""
4767   { t empty$ not }
4768   { t #1 #1 substring$ "-" =
4769     { t #1 #2 substring$ "--" = not
4770       { "--" *
4771         t #2 global.max$ substring$ 't :=
4772       }
4773     { { t #1 #1 substring$ "-" = }
4774       { "-" *
4775         t #2 global.max$ substring$ 't :=
4776       }
4777     while$

```

```

4778         }
4779         if$
4780     }
4781     { t #1 #1 substring$ *
4782       t #2 global.max$ substring$ 't :=
4783     }
4784     if$
4785   }
4786   while$
4787 }
4788
4789 FUNCTION {format.date}
4790 { year empty$
4791   { month empty$
4792     { "" }
4793     { "there's a month but no year in " cite$ * warning$
4794       month
4795     }
4796     if$
4797   }
4798   { month empty$
4799     'year
4800 </bststd>
4801 <*bststd&!bstshort>
4802     { "\btxprintmonthyear{.}{\"
4803       month * \"}{\" * year * \"}{long}\" *
4804     }
4805 </bststd&!bstshort>
4806 <*bststd & bstshort>
4807     { "\btxprintmonthyear{.}{\"
4808       month * \"}{\" * year * \"}{short}\" *
4809     }
4810 </bststd & bstshort>
4811 <*bststd>
4812     if$
4813   }
4814   if$
4815 }
4816
4817 FUNCTION {format.btitle}
4818 { title titlefont
4819 }
4820
4821 FUNCTION {tie.or.space.connect}
4822 { duplicate$ text.length$ #3 <
4823   { "~" }
4824   { "\ " }
4825   if$
4826   swap$ * *

```



```

4827 }
4828
4829 FUNCTION {volume.tie.or.space.connect}
4830 { duplicate$ text.length$ #3 <
4831   { "~" }
4832   { "\ " }
4833   if$
4834   swap$ volumefont * *
4835 }
4836
4837 FUNCTION {either.or.check}
4838 { empty$
4839   'pop$
4840   { "can't use both " swap$ * " fields in " * cite$ * warning$ }
4841   if$
4842 }
4843
4844 FUNCTION {format.bvolume}
4845 { volume empty$
4846   { "" }
4847   { output.state after.block =
4848     </bststd>
4849     <bststd&!bstshort>      { "\Btxvolumelong {}" }
4850     <bststd&!bstshort>      { "\bt xvolumelong {}" }
4851     <bststd & bstshort>      { "\Btxvolumeshort {:.}" }
4852     <bststd & bstshort>      { "\bt xvolumeshort {:.}" }
4853     <*bststd>
4854       if$
4855       volume volume.tie.or.space.connect
4856       series empty$
4857       'skip$
4858     </bststd>
4859     <bststd&!bstshort>      { " \bt xofserieslong {} \ " * series titlefont * }
4860     <bststd & bstshort>      { " \bt xofseriesshort {:.} \ " * series titlefont * }
4861     <*bststd>
4862       if$
4863       "volume and number" number either.or.check
4864     }
4865     if$
4866 }
4867
4868 FUNCTION {format.number.series}
4869 { volume empty$
4870   { number empty$
4871     { series field.or.null }
4872     { output.state mid.sentence =
4873     </bststd>
4874     <bststd&!bstshort>      { "\bt xnumberlong {}" }

```

```

4875 <bststd&!bstshort)          { "\Btxnumberlong {}" }
4876 <bststd & bstshort)         { "\btxnumbershort {."} " }
4877 <bststd & bstshort)         { "\Btxnumbershort {."} " }
4878 <*bststd)
4879     if$
4880     number tie.or.space.connect
4881     series empty$
4882     { "there's a number but no series in " cite$ * warning$ }
4883 </bststd)
4884 <bststd&!bstshort)          { " \btxinserieslong {} \ " * series titlefont * }
4885 <bststd & bstshort)         { " \btxinseriesshort {."} \ " * series titlefont * }
4886 <*bststd)
4887     if$
4888     }
4889     if$
4890     }
4891     { "" }
4892 if$
4893 }
4894
4895 FUNCTION {format.edition}
4896 { edition empty$
4897   { "" }
4898   {
4899 </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.

```

4900 <*bststd&!bstshort)
4901     output.state mid.sentence =
4902     { edition "1" change.case$ }
4903     { edition "t" change.case$ }
4904     if$
4905     "\btxeditionnumlong {" swap$ *
4906     "}{." *
4907 </bststd&!bstshort)
4908 <*bststd & bstshort)
4909     output.state mid.sentence =
4910     { edition "1" change.case$ }
4911     { edition "t" change.case$ }
4912     if$
4913     "\btxeditionnumshort {" swap$ *
4914     "}{." *
4915 </bststd & bstshort)
4916 <*bststd)
4917     }
4918 if$
4919 }
4920
4921 FUNCTION {format.isbn}

```

```

4922 { isbn empty$
4923   { "" }
4924   { "\mbox{\btxISBN~\btxISBNfont {" isbn * "}}" * }
4925   if$
4926 }
4927
4928 FUNCTION {format.issn}
4929 { issn empty$
4930   { "" }
4931   { "\mbox{\btxISSN~\btxISSNfont {" issn * "}}" * }
4932   if$
4933 }
4934 FUNCTION {format.url}
4935 { url empty$
4936   { "" }
4937   {
4938     urldate empty$
4939     { "{\latintext \btxurlfont{" url * "}}" * }
4940     {
4941       "{\latintext \btxurlfont{" url * "}}\empty " *
4942       "\btxurldatecomment {\btxkeywordlanguage {\btxurldatefont{" *
4943         urldate * "}}}" *
4944     }
4945     if$
4946   }
4947   if$
4948 }

```

Format annotations:

```

4949 FUNCTION {write.annotate}
4950 { annotate empty$
4951   'skip$
4952   {
4953     annotelanguage empty$
4954     { "\btxkeywordlanguage {" }
4955     { "{\selectlanguage {" annotelanguage * "}" * }
4956     if$
4957     "\btxannotation {" * annotate * "}}" *
4958     write$ newline$
4959   }
4960   if$
4961 }
4962 INTEGERS { multiresult }
4963
4964 FUNCTION {multi.page.check}
4965 { 't :=
4966   #0 'multiresult :=
4967   { multiresult not

```

```

4968     t empty$ not
4969     and
4970   }
4971   { t #1 #1 substring$
4972     duplicate$ "-" =
4973     swap$ duplicate$ "," =
4974     swap$ "+" =
4975     or or
4976     { #1 'multiresult := }
4977     { t #2 global.max$ substring$ 't := }
4978     if$
4979   }
4980   while$
4981   multiresult
4982 }
4983
4984 FUNCTION {format.pages}
4985 { pages empty$
4986   { "" }
4987   { pages multi.page.check
4988 </bststd>
4989 <*bststd&!bstshort>
4990     { "\btxpageslong {}" pages n.dashify tie.or.space.connect }
4991     { "\btxpagelong {}" pages tie.or.space.connect }
4992 </bststd&!bstshort>
4993 <*bststd & bstshort>
4994     { "\btxpagesshort {}" pages n.dashify tie.or.space.connect }
4995     { "\btxpageshort {}" pages tie.or.space.connect }
4996 </bststd & bstshort>
4997 <*bststd>
4998     if$
4999   }
5000   if$
5001 }
5002
5003 FUNCTION {format.vol.num.pages}
5004 { volume field.or.null
5005   number empty$
5006   'skip$
5007   { "(" number * ")" * *
5008     volume empty$
5009     { "there's a number but no volume in " cite$ * warning$ }
5010     'skip$
5011     if$
5012   }
5013   if$
5014   pages empty$
5015   'skip$
5016   { duplicate$ empty$

```

```

5017         { pop$ format.pages }
5018         { ":" * pages n.dashify * }
5019     if$
5020 }
5021 if$
5022 }
5023
5024 FUNCTION {format.chapter.pages}
5025 { chapter empty$
5026     'format.pages
5027     { type empty$
5028     </bststd>
5029     <bststd&!bstshort>         { "\btchapterlong {}" }
5030     <bststd & bstshort>         { "\btchaptershort {:.}" }
5031     <*bststd>
5032         { type "l" language.change.case }
5033     if$
5034     chapter tie.or.space.connect
5035     pages empty$
5036     'skip$
5037     { ", " * format.pages * }
5038     if$
5039     }
5040 if$
5041 }
5042
5043 FUNCTION {format.in.ed.booktitle}
5044 { booktitle empty$
5045     { "" }
5046     { editor empty$
5047     </bststd>
5048     <*bststd&!bstshort>
5049         { "\Btxinlong {} \ " booktitle titlefont * }
5050         { "\Btxinlong {} \ " format.editors * ": " * booktitle titlefont * }
5051     </bststd&!bstshort>
5052     <*bststd & bstshort>
5053         { "\Btxinshort {:.} \ " booktitle titlefont * }
5054         { "\Btxinshort {:.} \ " format.editors * ": " * booktitle titlefont * }
5055     </bststd & bstshort>
5056     <*bststd>
5057         if$
5058     }
5059 if$
5060 }
5061
5062 FUNCTION {empty.misc.check}
5063 { author empty$ title empty$ howpublished empty$
5064     month empty$ year empty$ note empty$
5065     and and and and

```

```

5066 key empty$ not and
5067   { "all relevant fields are empty in " cite$ * warning$ }
5068   'skip$
5069   if$
5070 }
5071

5072 FUNCTION {format.thesis.type}
5073 { type empty$
5074   'skip$
5075   { pop$
5076     type "t" language.change.case
5077   }
5078   if$
5079 }
5080

5081 FUNCTION {format.tr.number}
5082 {
5083   number empty$
5084   {
5085     type empty$
5086     </bststd>

5087     <bststd&!bstshort>   { "\btotechreplong {}" }
5088     <bststd & bstshort>   { "\btotechrepshort {:.}" }
5089     <*bststd>
5090     { type "t" language.change.case }
5091     if$
5092   }
5093   {
5094     type empty$
5095     </bststd>

5096     <bststd&!bstshort>   { "\Btotechreplong {}" }
5097     <bststd & bstshort>   { "\Btotechrepshort {:.}" }
5098     <*bststd>
5099     { type "t" language.change.case }
5100     if$
5101     number tie.or.space.connect
5102   }
5103   if$
5104 }
5105

5106 FUNCTION {format.article.crossref}
5107 { key empty$
5108   </bststd>
5109   <*bststd&!bstshort>
5110     { journal empty$
5111       { "need key or journal for " cite$ * " to crossref " * crossref *
5112         warning$

```

```

5113         ""
5114     }
5115     { "\Btxinlong {} \ " journal titlefont * }
5116     if$
5117 }
5118 { "\Btxinlong {} \ " key titlefont * }
5119 </bststd&!bstshort>
5120 <*bststd & bstshort>
5121 { journal empty$
5122     { "need key or journal for " cite$ * " to crossref " * crossref *
5123         warning$
5124         ""
5125     }
5126     { "\Btxinshort {.\} \ " journal titlefont * }
5127     if$
5128 }
5129 { "\Btxinshort {.\} \ " key titlefont * }
5130 </bststd & bstshort>
5131 <*bststd>
5132 if$
5133 " \cite{" * crossref * "}" *
5134 }
5135
5136 FUNCTION {format.crossref.editor}
5137 {
5138 </bststd>
5139 <*bststd&!bstshort>
5140 editor #1 "{ll}{,~jj}{, ff}{~vv}" format.name$ namefont
5141 </bststd&!bstshort>
5142 <*bststd & bstshort>
5143 editor #1 "{ll}{,~jj}{,~f.}{~vv}" format.name$ namefont
5144 </bststd & bstshort>
5145 <*bststd>
5146 editor num.names$ duplicate$
5147 #2 >
5148 { pop$ " " "\btxetalshort {.\}" etalfont * * }
5149 { #2 <
5150     'skip$
5151     { editor #2 "{ff }{vv }{ll}{ jj}" format.name$ "others" =
5152         { " " "\btxetalshort {.\}" etalfont * * }
5153 </bststd>
5154 <*bststd&!bstshort>
5155         { " \btxandlong {} \ " * editor #2 "{ff}{~vv}{~ll}{, jj}"
5156 </bststd&!bstshort>
5157 <*bststd & bstshort>
5158         { " \btxandshort {.\} \ " * editor #2 "{vv~}{ll}"
5159 </bststd & bstshort>
5160 <*bststd>
5161             format.name$ namefont * }

```

```

5162         if$
5163     }
5164     if$
5165 }
5166 if$
5167 }
5168
5169 FUNCTION {format.book.crossref}
5170 { volume empty$
5171   { "empty volume in " cite$ * "'s crossref of " * crossref * warning$
5172 </bststd>
5173 <bststd&!bstshort>     "\Btxinlong {} \ "
5174 <bststd & bstshort>   "\Btxinshort {.} \ "
5175 <*bststd>
5176   }
5177 </bststd>
5178 <*bststd&!bstshort>
5179   { "\Btxvolumelong {}" volume volume.tie.or.space.connect
5180     " \btxofserieslong {} \ " *
5181 </bststd&!bstshort>
5182 <*bststd & bstshort>
5183   { "\Btxvolumeshort {.}" volume volume.tie.or.space.connect
5184     " \btxofseriesshort {.} \ " *
5185 </bststd & bstshort>
5186 <*bststd>
5187   }
5188   if$
5189   editor empty$
5190   editor field.or.null author field.or.null =
5191   or
5192   { key empty$
5193     { series empty$
5194       { "need editor, key, or series for " cite$ * " to crossref " *
5195         crossref * warning$
5196         "" *
5197       }
5198       { series titlefont * }
5199       if$
5200     }
5201     { key titlefont * }
5202     if$
5203   }
5204   { format.crossref.editor * }
5205   if$
5206   " \cite{" * crossref * "}" *
5207 }
5208
5209 FUNCTION {format.incoll.inproc.crossref}
5210 { editor empty$

```



```

5211 editor field.or.null author field.or.null =
5212 or
5213   { key empty$
5214     { booktitle empty$
5215       { "need editor, key, or booktitle for " cite$ * " to crossref " *
5216         crossref * warning$
5217         ""
5218       }
5219     }
5220   { "\Btxinlong {} \ " booktitle titlefont * }
5221   { "\Btxinshort {.\} \ " booktitle titlefont * }
5222 }
5223   if$
5224 }
5225 }
5226 { "\Btxinlong {} \ " key titlefont * }
5227 { "\Btxinshort {.\} \ " key titlefont * }
5228 }
5229   if$
5230 }
5231 }
5232 { "\Btxinlong {} \ " format.crossref.editor * }
5233 { "\Btxinshort {.\} \ " format.crossref.editor * }
5234 }
5235   if$
5236 " \cite{" * crossref * "}" *
5237 }
5238
5239 FUNCTION {article}
5240 { output.bibitem
5241   format.authors "author" output.check
5242   after.authors
5243   format.jtitle "title" output.check
5244   new.block
5245   crossref missing$
5246   { journal
5247     title missing$
5248     { titlefont }
5249     { journalfont }
5250     if$
5251     "journal" output.check
5252     format.vol.num.pages output
5253     format.date "year" output.check
5254   }
5255   { format.article.crossref output.nonnull
5256     format.pages output
5257   }
5258   if$
5259   format.issn "\ifbtxprintISSN" output.isbn

```

```

5260 new.block
5261 format.url output
5262 note output
5263 fin.entry
5264 write.annotate
5265 }
5266
5267 FUNCTION {book}
5268 { output.bibitem
5269   author empty$
5270   { format.editors "author and editor" output.check }
5271   { format.authors output.nonnull
5272     crossref missing$
5273     { "author and editor" editor either.or.check }
5274     'skip$
5275     if$
5276   }
5277   if$
5278   after.authors
5279   format.btitle "title" output.check
5280   crossref missing$
5281   { format.bvolume output
5282     new.block
5283     format.number.series output
5284     new.sentence
5285     publisher "publisher" output.check publisherfont
5286     address output
5287   }
5288   { new.block
5289     format.book.crossref output.nonnull
5290   }
5291   if$
5292   format.edition output
5293   format.date "year" output.check
5294   format.isbn "\ifbtxprintISBN" output.isbn
5295   new.block
5296   format.url output
5297   note output
5298   fin.entry
5299   write.annotate
5300 }
5301
5302 FUNCTION {booklet}
5303 { output.bibitem
5304   format.authors output
5305   after.authors
5306   format.title "title" output.check
5307   howpublished address new.block.checkb
5308   howpublished output

```

```

5309 address output
5310 format.date output
5311 new.block
5312 format.url output
5313 note output
5314 fin.entry
5315 write.annote
5316 }
5317

5318 FUNCTION {inbook}
5319 { output.bibitem
5320   author empty$
5321     { format.editors "author and editor" output.check }
5322     { format.authors output.nonnull
5323       crossref missing$
5324         { "author and editor" editor either.or.check }
5325         'skip$
5326       if$
5327     }
5328   if$
5329   after.authors
5330   format.btitle "title" output.check
5331   crossref missing$
5332     { format.bvolume output
5333       format.chapter.pages "chapter and pages" output.check
5334       new.block
5335       format.number.series output
5336       new.sentence
5337       publisher "publisher" output.check publisherfont
5338       address output
5339     }
5340     { format.chapter.pages "chapter and pages" output.check
5341       new.block
5342       format.book.crossref output.nonnull
5343     }
5344   if$
5345   format.edition output
5346   format.date "year" output.check
5347   format.isbn "\ifbtxprintISBN" output.isbn
5348   new.block
5349   format.url output
5350   note output
5351   fin.entry
5352   write.annote
5353 }
5354

5355 FUNCTION {incollection}
5356 { output.bibitem
5357   format.authors "author" output.check

```

```

5358 after.authors
5359 format.title "title" output.check
5360 new.block
5361 crossref missing$
5362   { format.in.ed.booktitle "booktitle" output.check
5363     format.bvolume output
5364     format.number.series output
5365     format.chapter.pages output
5366     new.sentence
5367     publisher "publisher" output.check publisherfont
5368     address output
5369     format.edition output
5370     format.date "year" output.check
5371   }
5372   { format.incoll.inproc.crossref output.nonnull
5373     format.chapter.pages output
5374   }
5375 if$
5376 format.isbn "\ifbtxprintISBN" output.isbn
5377 new.block
5378 format.url output
5379 note output
5380 fin.entry
5381 write.annotate
5382 }
5383
5384 FUNCTION {inproceedings}
5385 { output.bibitem
5386   format.authors "author" output.check
5387   after.authors
5388   format.title "title" output.check
5389   new.block
5390   crossref missing$
5391   { format.in.ed.booktitle "booktitle" output.check
5392     format.bvolume output
5393     format.number.series output
5394     format.pages output
5395     address empty$
5396     { organization publisher new.sentence.checkb
5397       organization output
5398       publisher publisherfont output
5399       format.date "year" output.check
5400     }
5401     { address output.nonnull
5402       format.date "year" output.check
5403       new.sentence
5404       organization output
5405       publisher publisherfont output
5406     }

```

```

5407     if$
5408   }
5409   { format.incoll.inproc.crossref output.nonnull
5410     format.pages output
5411   }
5412 if$
5413 format.isbn "\ifbtxprintISBN" output.isbn
5414 new.block
5415 format.url output
5416 note output
5417 fin.entry
5418 write.annotate
5419 }
5420
5421 FUNCTION {conference} { inproceedings }
5422
5423 FUNCTION {manual}
5424 { output.bibitem
5425   author empty$
5426     { organization empty$
5427       'skip$
5428       { organization output.nonnull
5429         address output
5430       }
5431     } if$
5432   }
5433   { format.authors output.nonnull }
5434 if$
5435 after.authors
5436 format.btitle "title" output.check
5437 author empty$
5438   { organization empty$
5439     { address new.block.checka
5440       address output
5441     }
5442     'skip$
5443   } if$
5444 }
5445 { organization address new.block.checkb
5446   organization output
5447   address output
5448 }
5449 if$
5450 format.edition output
5451 format.date output
5452 format.isbn "\ifbtxprintISBN" output.isbn
5453 new.block
5454 format.url output
5455 note output

```

```

5456   fin.entry
5457   write.annotate
5458 }
5459
5460 FUNCTION {mastersthesis}
5461 { output.bibitem
5462   format.authors "author" output.check
5463   after.authors
5464   format.title "title" output.check
5465   new.block
5466   "\btxmastthesis {}" format.thesis.type output.nonnull
5467   school "school" output.check
5468   address output
5469   format.date "year" output.check
5470   new.block
5471   format.url output
5472   note output
5473   fin.entry
5474   write.annotate
5475 }
5476
5477 FUNCTION {misc}
5478 { output.bibitem
5479   format.authors output
5480   title howpublished new.block.checkc
5481   format.title output
5482   howpublished new.block.checka
5483   howpublished output
5484   format.date output
5485   format.isbn "\ifbtxprintISBN" output.isbn
5486   new.block
5487   format.issn "\ifbtxprintISSN" output.isbn
5488   new.block
5489   format.url output
5490   note output
5491   fin.entry
5492   write.annotate
5493   empty.misc.check
5494 }
5495
5496 FUNCTION {phdthesis}
5497 { output.bibitem
5498   format.authors "author" output.check
5499   after.authors
5500   format.btitle "title" output.check
5501   new.block
5502   "\btxphdthesis {}" format.thesis.type output.nonnull
5503   school "school" output.check
5504   address output

```

```

5505 format.date "year" output.check
5506 format.isbn "\ifbtxprintISBN" output.isbn
5507 new.block
5508 format.url output
5509 note output
5510 fin.entry
5511 write.annotate
5512 }
5513

5514 FUNCTION {proceedings}
5515 { output.bibitem
5516   editor empty$
5517   { organization output }
5518   { format.editors output.nonnull }
5519   if$
5520   after.authors
5521   format.btitle "title" output.check
5522   format.bvolume output
5523   format.number.series output
5524   address empty$
5525   { editor empty$
5526     { publisher new.sentence.checka }
5527     { organization publisher new.sentence.checkb
5528       organization output
5529     }
5530     if$
5531     publisher publisherfont output
5532     format.date "year" output.check
5533   }
5534   { address output.nonnull
5535     format.date "year" output.check
5536     new.sentence
5537     editor empty$
5538     'skip$
5539     { organization output }
5540     if$
5541     publisher publisherfont output
5542   }
5543   if$
5544   format.isbn "\ifbtxprintISBN" output.isbn
5545   new.block
5546   format.url output
5547   note output
5548   fin.entry
5549   write.annotate
5550 }
5551

5552 FUNCTION {techreport}
5553 { output.bibitem

```

```

5554 format.authors "author" output.check
5555 after.authors
5556 format.title "title" output.check
5557 new.block
5558 format.tr.number output.nonnull
5559 institution "institution" output.check
5560 address output
5561 format.date "year" output.check
5562 format.isbn "\ifbtxprintISBN" output.isbn
5563 new.block
5564 format.url output
5565 note output
5566 fin.entry
5567 write.annote
5568 }
5569

5570 FUNCTION {unpublished}
5571 { output.bibitem
5572   format.authors "author" output.check
5573   after.authors
5574   format.title "title" output.check
5575   new.block
5576   format.url output
5577   note "note" output.check
5578   format.date output
5579   fin.entry
5580   write.annote
5581 }
5582

5583 FUNCTION {default.type} { misc }
5584
5585 </bststd>

Months and journals:
5586 <*bststd&!bstshort>
5587 MACRO {jan} {"1"}
5588 MACRO {feb} {"2"}
5589 MACRO {mar} {"3"}
5590 MACRO {apr} {"4"}
5591 MACRO {may} {"5"}
5592 MACRO {jun} {"6"}
5593 MACRO {jul} {"7"}
5594 MACRO {aug} {"8"}
5595 MACRO {sep} {"9"}
5596 MACRO {oct} {"10"}
5597 MACRO {nov} {"11"}
5598 MACRO {dec} {"12"}
5599 MACRO {acmcs} {"ACM Computing Surveys"}
5600 MACRO {acta} {"Acta Informatica"}

```



```

5601 MACRO {cacm} {"Communications of the ACM"}
5602 MACRO {ibmjrd} {"IBM Journal of Research and Development"}
5603 MACRO {ibmsj} {"IBM Systems Journal"}
5604 MACRO {ieeese} {"IEEE Transactions on Software Engineering"}
5605 MACRO {ieeetc} {"IEEE Transactions on Computers"}
5606 MACRO {ieeetcad}
5607 {"IEEE Transactions on Computer-Aided Design of Integrated Circuits"}
5608 MACRO {ipl} {"Information Processing Letters"}
5609 MACRO {jacm} {"Journal of the ACM"}
5610 MACRO {jcss} {"Journal of Computer and System Sciences"}
5611 MACRO {scp} {"Science of Computer Programming"}
5612 MACRO {sicomp} {"SIAM Journal on Computing"}
5613 MACRO {tocs} {"ACM Transactions on Computer Systems"}
5614 MACRO {tods} {"ACM Transactions on Database Systems"}
5615 MACRO {tog} {"ACM Transactions on Graphics"}
5616 MACRO {toms} {"ACM Transactions on Mathematical Software"}
5617 MACRO {toois} {"ACM Transactions on Office Information Systems"}
5618 MACRO {toplas} {"ACM Transactions on Programming Languages and Systems"}
5619 MACRO {tcs} {"Theoretical Computer Science"}
5620 </bststd&!bstshort)
5621 <*bststd & bstshort)
5622 MACRO {jan} {"1"}
5623 MACRO {feb} {"2"}
5624 MACRO {mar} {"3"}
5625 MACRO {apr} {"4"}
5626 MACRO {may} {"5"}
5627 MACRO {jun} {"6"}
5628 MACRO {jul} {"7"}
5629 MACRO {aug} {"8"}
5630 MACRO {sep} {"9"}
5631 MACRO {oct} {"10"}
5632 MACRO {nov} {"11"}
5633 MACRO {dec} {"12"}
5634 MACRO {acmcs} {"ACM Comput.\ Surv.{}}
5635 MACRO {acta} {"Acta Inf.{}}
5636 MACRO {cacm} {"Commun. ACM"}
5637 MACRO {ibmjrd} {"IBM J.~Res.\ Dev.{}}
5638 MACRO {ibmsj} {"IBM Syst.~J.{}}
5639 MACRO {ieeese} {"IEEE Trans.\ Softw.\ Eng.{}}
5640 MACRO {ieeetc} {"IEEE Trans.\ Comput.{}}
5641 MACRO {ieeetcad}
5642 {"IEEE Trans.\ Comput.-Aided Design Integrated Circuits"}
5643 MACRO {ipl} {"Inf.\ Process.\ Lett.{}}
5644 MACRO {jacm} {"J.~ACM"}
5645 MACRO {jcss} {"J.~Comput.\ Syst.\ Sci.{}}
5646 MACRO {scp} {"Sci.\ Comput.\ Programming"}
5647 MACRO {sicomp} {"SIAM J.~Comput.{}}
5648 MACRO {tocs} {"ACM Trans.\ Comput.\ Syst.{}}
5649 MACRO {tods} {"ACM Trans.\ Database Syst.{}}
5650 MACRO {tog} {"ACM Trans.\ Gr.{}}

```

```

5651 MACRO {toms} {"ACM Trans.\ Math.\ Softw.{"}}
5652 MACRO {toois} {"ACM Trans.\ Office Inf.\ Syst.{"}}
5653 MACRO {toplas} {"ACM Trans.\ Prog.\ Lang.\ Syst.{"}}
5654 MACRO {tcs} {"Theoretical Comput.\ Sci.{"}}
5655 </bststd & bstshort>

```

Action.

```

5656 <*bststd>
5657
5658 READ
5659
5660 </bststd>

```

10.1.2 Sorted bibliographies

This code is only used for sorted bibliographies.

```

5661 <*bststd&!bstunsorted>
5662 FUNCTION {sortify}
5663 { purify$
5664   "1" change.case$
5665 }
5666
5667 INTEGERS { len }
5668
5669 FUNCTION {chop.word}
5670 { 's :=
5671   'len :=
5672   s #1 len substring$ =
5673     { s len #1 + global.max$ substring$ }
5674     's
5675   if$
5676 }
5677
5678 </bststd&!bstunsorted>
5679 <*bststd & bstalpha>
5680 INTEGERS { et.al.char.used }
5681
5682 FUNCTION {initialize.et.al.char.used}
5683 { #0 'et.al.char.used :=
5684 }
5685
5686 EXECUTE {initialize.et.al.char.used}
5687
5688 FUNCTION {format.lab.names}
5689 { 's :=
5690   s num.names$ 'numnames :=
5691   numnames #1 >

```

```

5692 { numnames #4 >
5693 { #3 'namesleft := }
5694 { numnames 'namesleft := }
5695   if$
5696   #1 'nameptr :=
5697   ""
5698 { namesleft #0 > }
5699 { nameptr numnames =
5700   { s nameptr "{ff }{vv }{ll}{ jj}" format.name$ "others" =
5701   { "{\etalchar{+}}" *
5702   #1 'et.al.char.used :=
5703   }
5704   { s nameptr "{v{} }{l{} }" format.name$ * }
5705   if$
5706   }
5707   { s nameptr "{v{} }{l{} }" format.name$ * }
5708   if$
5709   nameptr #1 + 'nameptr :=
5710   namesleft #1 - 'namesleft :=
5711 }
5712   while$
5713   numnames #4 >
5714 { "{\etalchar{+}}" *
5715 #1 'et.al.char.used :=
5716 }
5717 'skip$
5718   if$
5719   }
5720   { s #1 "{v{} }{l{} }" format.name$
5721   duplicate$ text.length$ #2 <
5722 { pop$ s #1 "{ll}" format.name$ #3 text.prefix$ }
5723 'skip$
5724   if$
5725   }
5726 if$
5727 }
5728
5729 FUNCTION {author.key.label}
5730 { author empty$
5731   { key empty$
5732   { cite$ #1 #3 substring$ }
5733   { key #3 text.prefix$ }
5734   if$
5735   }
5736   { author format.lab.names }
5737 if$
5738 }
5739
5740 FUNCTION {author.editor.key.label}

```

```

5741 { author empty$
5742   { editor empty$
5743   { key empty$
5744     { cite$ #1 #3 substring$ }
5745     { key #3 text.prefix$ }
5746     if$
5747   }
5748   { editor format.lab.names }
5749     if$
5750   }
5751   { author format.lab.names }
5752   if$
5753 }
5754
5755 FUNCTION {author.key.organization.label}
5756 { author empty$
5757   { key empty$
5758   { organization empty$
5759     { cite$ #1 #3 substring$ }
5760     { "The " #4 organization chop.word #3 text.prefix$ }
5761     if$
5762   }
5763   { key #3 text.prefix$ }
5764     if$
5765   }
5766   { author format.lab.names }
5767   if$
5768 }
5769
5770 FUNCTION {editor.key.organization.label}
5771 { editor empty$
5772   { key empty$
5773   { organization empty$
5774     { cite$ #1 #3 substring$ }
5775     { "The " #4 organization chop.word #3 text.prefix$ }
5776     if$
5777   }
5778   { key #3 text.prefix$ }
5779     if$
5780   }
5781   { editor format.lab.names }
5782   if$
5783 }
5784
5785 FUNCTION {calc.label}
5786 { type$ "book" =
5787   type$ "inbook" =
5788   or
5789   'author.editor.key.label

```

```

5790     { type$ "proceedings" =
5791       'editor.key.organization.label
5792   { type$ "manual" =
5793     'author.key.organization.label
5794     'author.key.label
5795     if$
5796   }
5797     if$
5798   }
5799   if$
5800   duplicate$
5801   year field.or.null purify$ #-1 #2 substring$
5802   *
5803   'label :=
5804   year field.or.null purify$ #-1 #4 substring$
5805   *
5806   sortify 'sort.label :=
5807 }
5808
5809 </bststd & bstalpha>
5810 < *bststd & !bstunsorted >
5811 FUNCTION {sort.format.names}
5812 { 's :=
5813   #1 'nameptr :=
5814   ""
5815   s num.names$ 'numnames :=
5816   numnames 'namesleft :=
5817     { namesleft #0 > }
5818     { nameptr #1 >
5819       { " " * }
5820       'skip$
5821       if$
5822 </bststd & !bstunsorted >
5823 < *bststd & !bstshort & !bstunsorted >
5824   s nameptr "{11{ }}{ ff{ }}{vv{ }}{ jj{ }}" format.name$ 't :=
5825 </bststd & !bstshort & !bstunsorted >
5826 < *bststd & bstshort & !bstunsorted >
5827   s nameptr "{11{ }}{ f{ }}{vv{ }}{ jj{ }}" format.name$ 't :=
5828 </bststd & bstshort & !bstunsorted >
5829 < *bststd & !bstunsorted >
5830   nameptr numnames = t "others" = and
5831     { "et al" * }
5832     { t sortify * }
5833   if$
5834   nameptr #1 + 'nameptr :=
5835   namesleft #1 - 'namesleft :=
5836   }
5837   while$
5838 }

```

```

5839
5840 FUNCTION {sort.format.title}
5841 { 't :=
5842   "A " #2
5843   "An " #3
5844   "The " #4 t chop.word
5845   chop.word
5846   chop.word
5847   sortify
5848   #1 global.max$ substring$
5849 }
5850
5851 FUNCTION {author.sort}
5852 { author empty$
5853   { key empty$
5854     { "to sort, need author or key in " cite$ * warning$
5855       ""
5856     }
5857     { key sortify }
5858   } if$
5859 }
5860 { author sort.format.names }
5861 if$
5862 }
5863
5864 FUNCTION {author.editor.sort}
5865 { author empty$
5866   { editor empty$
5867     { key empty$
5868       { "to sort, need author, editor, or key in " cite$ * warning$
5869         ""
5870       }
5871       { key sortify }
5872     } if$
5873   }
5874   { editor sort.format.names }
5875   if$
5876 }
5877 { author sort.format.names }
5878 if$
5879 }
5880
5881 FUNCTION {author.organization.sort}
5882 { author empty$
5883   { organization empty$
5884     { key empty$
5885       { "to sort, need author, organization, or key in " cite$ * warning$
5886         ""

```

```

5887         }
5888         { key sortify }
5889         if$
5890     }
5891     { "The " #4 organization chop.word sortify }
5892     if$
5893 }
5894 { author sort.format.names }
5895 if$
5896 }
5897
5898 FUNCTION {editor.organization.sort}
5899 { editor empty$
5900     { organization empty$
5901         { key empty$
5902             { "to sort, need editor, organization, or key in " cite$ * warning$
5903             ""
5904             }
5905             { key sortify }
5906             if$
5907         }
5908         { "The " #4 organization chop.word sortify }
5909         if$
5910     }
5911     { editor sort.format.names }
5912     if$
5913 }
5914
5915 FUNCTION {presort}
5916 {
5917 </bststd&!bstunsorted>
5918 <*bststd & bstalpha>
5919     calc.label
5920     sort.label
5921     "    "
5922     *
5923 </bststd & bstalpha>
5924 <*bststd&!bstunsorted>
5925     type$ "book" =
5926     type$ "inbook" =
5927     or
5928     'author.editor.sort
5929     { type$ "proceedings" =
5930         'editor.organization.sort
5931         { type$ "manual" =
5932             'author.organization.sort
5933             'author.sort
5934             if$
5935         }

```

```

5936     if$
5937   }
5938   if$
5939 </bststd&!bstunsorted>
5940 <bststd & bstalpha> *
5941 <*bststd&!bstunsorted>
5942   "   "
5943   *
5944   year field.or.null sortify
5945   *
5946   "   "
5947   *
5948   title field.or.null
5949   sort.format.title
5950   *
5951   #1 entry.max$ substring$
5952   'sort.key$ :=
5953 }
5954
5955 ITERATE {presort}
5956
5957 SORT
5958
5959 </bststd&!bstunsorted>
5960 <*bststd&!bstalpha>
5961 STRINGS { longest.label }
5962
5963 INTEGERS { number.label longest.label.width }
5964
5965 FUNCTION {initialize.longest.label}
5966 { "" 'longest.label :=
5967   #1 'number.label :=
5968   #0 'longest.label.width :=
5969 }
5970
5971 FUNCTION {longest.label.pass}
5972 { number.label int.to.str$ 'label :=
5973   number.label #1 + 'number.label :=
5974   label width$ longest.label.width >
5975     { label 'longest.label :=
5976       label width$ 'longest.label.width :=
5977     }
5978     'skip$
5979   if$
5980 }
5981 </bststd&!bstalpha>
5982 <*bststd & bstalpha>

```



```

5983 STRINGS { longest.label last.sort.label next.extra }
5984
5985 INTEGERS { longest.label.width last.extra.num }
5986
5987 FUNCTION {initialize.longest.label}
5988 { "" 'longest.label :=
5989   #0 int.to.chr$ 'last.sort.label :=
5990   "" 'next.extra :=
5991   #0 'longest.label.width :=
5992   #0 'last.extra.num :=
5993 }
5994
5995 FUNCTION {forward.pass}
5996 { last.sort.label sort.label =
5997   { last.extra.num #1 + 'last.extra.num :=
5998     last.extra.num int.to.chr$ 'extra.label :=
5999   }
6000   { "a" chr.to.int$ 'last.extra.num :=
6001     "" 'extra.label :=
6002     sort.label 'last.sort.label :=
6003   }
6004   if$
6005 }
6006
6007 FUNCTION {reverse.pass}
6008 { next.extra "b" =
6009   { "a" 'extra.label := }
6010   'skip$
6011   if$
6012   label extra.label * 'label :=
6013   label width$ longest.label.width >
6014   { label 'longest.label :=
6015     label width$ 'longest.label.width :=
6016   }
6017   'skip$
6018   if$
6019   extra.label 'next.extra :=
6020 }
6021 </bststd & bstalpha>

```

10.1.3 Generic code

```

6022 < *bststd >
6023
6024 EXECUTE {initialize.longest.label}
6025
6026 < /bststd >
6027 < bststd & !bstalpha > ITERATE {longest.label.pass}

```

```

6028 <bststd & bstalpha>ITERATE {forward.pass}
6029 <bststd & bstalpha>REVERSE {reverse.pass}
6030 <*bststd>
6031

6032 FUNCTION {begin.bib}
6033 {
6034 </bststd>
6035 <*bststd & bstalpha>
6036   et.al.char.used
6037   { "\newcommand{\etalchar}[1]{${~{#1}}}" write$ newline$ }
6038   'skip$
6039   if$
6040 </bststd & bstalpha>
6041 <*bststd>
6042   preamble$ empty$
6043   'skip$
6044   { preamble$ write$ newline$ }
6045   if$
6046   "\begin{thebibliography}{ longest.label * }" * write$ newline$
6047   " \providebibliographyfont{name}{}" write$ newline$
6048   " \providebibliographyfont{lastname}{}" write$ newline$
6049   " \providebibliographyfont{title}{\emph}" write$ newline$
6050   " \providebibliographyfont{jtitle}{\btxtitlefont}" write$ newline$
6051   " \providebibliographyfont{etal}{\emph}" write$ newline$
6052   " \providebibliographyfont{journal}{}" write$ newline$
6053   " \providebibliographyfont{volume}{}" write$ newline$
6054   " \providebibliographyfont{ISBN}{\MakeUppercase}" write$ newline$
6055   " \providebibliographyfont{ISSN}{\MakeUppercase}" write$ newline$
6056   " \providebibliographyfont{url}{\url}" write$ newline$
6057   " \providebibliographyfont{numeral}{}" write$ newline$
6058   " \expandafter\btselectlanguage\expandafter {\btxfallbacklanguage}"
6059   write$ newline$
6060 }
6061

6062 EXECUTE {begin.bib}
6063

6064 EXECUTE {init.state.consts}
6065

6066 ITERATE {call.type$}
6067

6068 FUNCTION {end.bib}
6069 { newline$
6070   "\end{thebibliography}" write$ newline$
6071 }
6072

6073 EXECUTE {end.bib}
6074 </bststd>

```

10.2 AMS styles

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

```
6075 ⟨*bstams⟩
6076 ENTRY
6077   { address
6078     annote
6079     annotelanguage
6080     author
6081     booktitle
6082     chapter
6083     edition
6084     editor
6085     howpublished
6086     institution
6087     isbn
6088     issn
6089     journal
6090     key
6091     language
6092     month
6093     mrnumber
6094     note
6095     number
6096     organization
6097     pages
6098     publisher
6099     school
6100     series
6101     title
6102     type
6103     url
6104     urldate
6105     volume
6106     year
6107   }
6108 {}
6109 { label bysame }
6110
6111
6112 INTEGERS { output.state before.all mid.sentence }
6113
6114 FUNCTION {init.state.consts}
6115 { #0 'before.all :=
6116   #1 'mid.sentence :=
6117 }
6118
6119 STRINGS { s t language.state change.temp}
```

```

6120
6121 FUNCTION {shows}
6122 { duplicate$ ":::: " swap$ * "}" * top$
6123 }
6124
6125 FUNCTION {showstack}
6126 {"STACK=====
6127 top$
6128 stack$
6129 "ENDSTACK=====
6130 top$
6131 }
6132
6133 FUNCTION {not}
6134 { { #0 }
6135   { #1 }
6136   if$
6137 }
6138
6139 FUNCTION {and}
6140 { 'skip$
6141   { pop$ #0 }
6142   if$
6143 }
6144
6145 FUNCTION {or}
6146 { { pop$ #1 }
6147   'skip$
6148   if$
6149 }
6150
6151 FUNCTION {language.change.case}
6152 {
6153   'change.temp :=
6154   't :=
6155   "\btXifchangeCase {"
6156   t change.temp change.case$ *
6157   "}" *
6158   t *
6159   "}" *
6160 }
6161
6162 FUNCTION {field.or.null}
6163 { duplicate$ empty$
6164   { pop$ "" }
6165   'skip$
6166   if$
6167 }
6168

```

```

6169 FUNCTION {namefont}
6170 { duplicate$ empty$
6171   { pop$ "" }
6172   { "\btinamefont {" swap$ * "}" * }
6173   if$
6174 }
6175

6176 FUNCTION {lastnamefont}
6177 { duplicate$ empty$
6178   { pop$ "" }
6179   { "\btlastnamefont {" swap$ * "}" * }
6180   if$
6181 }
6182

6183 FUNCTION {titlefont}
6184 { duplicate$ empty$
6185   { pop$ "" }
6186   { "\btxttitlefont {" swap$ * "}" * }
6187   if$
6188 }
6189

6190 FUNCTION {jtitlefont}
6191 { duplicate$ empty$
6192   { pop$ "" }
6193   { "\btxjtitlefont {" swap$ * "}" * }
6194   if$
6195 }
6196

6197 FUNCTION {journalfont}
6198 { duplicate$ empty$
6199   { pop$ "" }
6200   { "\btxjournalfont {" swap$ * "}" * }
6201   if$
6202 }
6203

6204 FUNCTION {publisherfont}
6205 { duplicate$ empty$
6206   { pop$ "" }
6207   { "\btxpublisherfont {" swap$ * "}" * }
6208   if$
6209 }
6210

6211 FUNCTION {volumefont}
6212 { duplicate$ empty$
6213   { pop$ "" }
6214   { "\btxvolumefont {" swap$ * "}" * }
6215   if$
6216 }
6217

```

```

6218 FUNCTION {etalfont}
6219 { duplicate$ empty$
6220   { pop$ "" }
6221   { "\btxetalfont {" swap$ * "}" * }
6222   if$
6223 }
6224

```

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

```

6225 FUNCTION {n.dashify}
6226 { 't :=
6227   ""
6228   { t empty$ not }
6229   { t #1 #1 substring$ "-" =
6230     { t #1 #2 substring$ "--" = not
6231       { "--" *
6232         t #2 global.max$ substring$ 't :=
6233       }
6234       { { t #1 #1 substring$ "-" = }
6235         { "-" *
6236           t #2 global.max$ substring$ 't :=
6237         }
6238         while$
6239       }
6240     if$
6241   }
6242   { t #1 #1 substring$ *
6243     t #2 global.max$ substring$ 't :=
6244   }
6245   if$
6246 }
6247 while$
6248 }
6249

```

`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.

```

6250 FUNCTION {tie.or.space.connect}
6251 { duplicate$ text.length$ #3 <
6252   { "~" }
6253   { "\ " }
6254   if$
6255   swap$ * *
6256 }
6257
6258 FUNCTION {add.space.if.necessary}
6259 { duplicate$ "" =
6260   'skip$
6261   { "\ " * }

```

```

6262  if$
6263  }
6264
    either.or.check gives a warning if two mutually exclusive fields were used in the
    database.
6265 FUNCTION {either.or.check}
6266 { empty$
6267   'pop$
6268   { "can't use both " swap$ * " fields in " * cite$ * warning$ }
6269   if$
6270 }
6271
    output.nonnull is called by output.
6272 FUNCTION {output.nonnull}
    remove the top item from the stack because it's in the way.
6273 { 's :=
6274   output.state mid.sentence =
    If we're in mid-sentence, add a comma to the new top item and write it
6275   { ", " * write$ }
    Otherwise, if we're at the beginning of a bibitem,
6276   { output.state before.all =
    just write out the top item from the stack;
6277     '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.
6278     { add.period$ " " * write$ }
6279     if$
6280     mid.sentence 'output.state :=
6281   }
6282  if$
    Put the top item back on the stack that we removed earlier.
6283  s
6284 }
6285
    Output checks to see if the stack top is empty; if not, it calls output.nonnull to
    write it out.
6286 FUNCTION {output}
6287 { duplicate$ empty$
6288   'pop$
6289   'output.nonnull
6290   if$
6291 }
6292

```

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 Bib_TE_X between missing and empty.

```
6293 FUNCTION {missing.warning}
6294 { "missing " swap$ * " in " * cite$ * warning$ }
6295
```

`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.

```
6296 FUNCTION {output.check}
6297 { 't :=
6298   duplicate$ empty$
6299   { pop$ t missing.warning }
6300   'output.nonnull
6301   if$
6302 }
```

```
6303
6304 FUNCTION {output.bibitem}
6305 { newline$
```

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

```
6306   language empty$
6307   { "empty language in " cite$ * warning$
6308     language.state "nolanguage" =
6309     'skip$
6310     {
6311       "\expandafter\btselectlanguage\expandafter {"
6312       "\btallbacklanguage}" * write$
6313       newline$
6314     }
6315     if$
6316     "nolanguage" 'language.state :=
6317   }
6318   { language.state language =
6319     'skip$
6320     { "\btselectlanguage {" language * "}" * write$
6321       newline$
6322     }
6323     if$
6324     language 'language.state :=
6325   }
6326   if$
6327   "\bibitem {" cite$ * "}" * write$
6328   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.

```
6329   ""
```



```

6330 before.all 'output.state :=
6331 }
6332
6333 FUNCTION {output.nonempty.mrnumber}
6334 { duplicate$ missing$
6335   { pop$ "" }
6336   'skip$
6337   if$
6338   duplicate$ empty$
6339   'pop$
6340   { " \MR{" swap$ * "}" * write$ }
6341   if$
6342 }
6343
6344 FUNCTION {fin.entry}
6345 { add.period$
6346   write$
6347   mrnumber output.nonempty.mrnumber
6348   newline$
6349 }
6350

```

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.

```

6351 INTEGERS { nameptr namesleft numnames }
6352

```

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

```

6353 FUNCTION {format.language}
6354 { language empty$
6355   { "" }
6356   { "\btxprintamslanguage{\btxlanguagename {" language * "}}" * }
6357   if$
6358 }
6359

```

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

```

6360 FUNCTION {format.names}
6361 { 's :=
6362   #1 'nameptr :=
6363   s num.names$ 'numnames :=
6364   numnames 'namesleft :=
6365   { namesleft #0 > }
6366   {
6367     s nameptr "{ff{\btxfnamespacelong }~}{vv~}" format.name$
6368     s nameptr "{ll}" format.name$ lastnamefont *
6369     s nameptr "{, jj}" format.name$ * 't :=

```

```

6370     nameptr #1 >
6371     { namesleft #1 >
6372       { ", " * t namefont * }
6373       { numnames #2 >
6374         { "\btxandcomma {}" * }
6375         'skip$
6376         if$
6377         s nameptr "{ff~}{vv~}{ll}{, jj}" format.name$ "others" =
6378         { " " * "\btxetalshort {}" etalfont * }
6379         { " \btxandlong {}" * t namefont * }
6380         if$
6381       }
6382     } if$
6383   }
6384   {
6385     s nameptr "{ff{\btxfnamespacelong }~}{vv~}" format.name$
6386     s nameptr "{ll}" format.name$ lastnamefont *
6387     s nameptr "{, jj}" format.name$ * namefont
6388   }
6389   if$
6390   nameptr #1 + 'nameptr :=
6391   namesleft #1 - 'namesleft :=
6392 }
6393 while$
6394 }
6395
6396 FUNCTION {format.authors}
6397 { author empty$
6398   { "" }
6399   { bysame "\bysame" =
6400     {"\bysame"}
6401     { author format.names }
6402   } if$
6403 }
6404 if$
6405 }
6406
6407 FUNCTION {format.editors}
6408 { editor empty$
6409   { "" }
6410   { editor format.names
6411     editor num.names$ #1 >
6412     { "\ (\btxeditorsshort {})" * }
6413     { "\ (\btxeditorshort {})" * }
6414   } if$
6415 }
6416 if$
6417 }
6418
6419 FUNCTION {format.nonauthor.editors}

```

```

6420 { editor empty$
6421   { "" }
6422   { editor format.names
6423     editor num.names$ #1 >
6424     { ", \btxeditorsshort {.}" * }
6425     { ", \btxeditorshort {.}" * }
6426     if$
6427   }
6428 if$
6429 }
6430
6431 FUNCTION {format.title}
6432 { title empty$
6433   { "" }
6434   { title "t" language.change.case titlefont }
6435 if$
6436 }
6437
6438 FUNCTION {format.jtitle}
6439 { title empty$
6440   { "" }
6441   { title "t" language.change.case jtitlefont }
6442 if$
6443 }
6444
6445 FUNCTION {format.journal.vol.year}
6446 { journal empty$
6447   { "journal name" missing.warning ""}
6448   { journal journalfont }
6449 if$
6450 volume empty$
6451   'skip$
6452   { " " * volume volumefont * }
6453 if$
6454 year empty$
6455   { "year" missing.warning }
6456   { " (" * year * ")" * }
6457 if$
6458 }
6459

```

For formatting the issue number for a journal article.

```

6460 FUNCTION {format.number}
6461 { number empty$
6462   { "" }
6463   { "\btxnumbershort {."~" number * }
6464 if$
6465 }
6466

```

For formatting miscellaneous dates

```

6467 FUNCTION {format.date}
6468 { year empty$
6469   { month empty$
6470     { "" }
6471     { "there's a month but no year in " cite$ * warning$
6472       month
6473     }
6474     if$
6475   }
6476   { month empty$
6477     'year
6478     { "\btxprintmonthyear{.}"
6479       month * "}" * year * "}" * long} *
6480     }
6481     if$
6482   }
6483 if$
6484 }
6485

```

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.

```

6486 FUNCTION {format.bookvolume.series.number}
6487 { volume empty$
6488   { "" % Push the empty string as a placeholder in case everything else
6489     % is empty too.
6490     series empty$
6491     'skip$
6492     { pop$ series } % if series is not empty put in stack
6493     if$
6494     number empty$
6495     'skip$
6496     { duplicate$ empty$ % if no preceding material,
6497       'skip$ % do nothing, otherwise
6498       { ", " * } % add a comma and space to separate.
6499     if$
6500     "\btxnumbershort {.}" number tie.or.space.connect * % add the number information
6501     }
6502     if$
6503   }

```

If the volume is NOT EMPTY:

```

6504   { "\btxvolumeshort {.}" volume tie.or.space.connect % vol. XX
6505     number empty$

```

```

6506     { series empty$
6507         'skip$
6508         { series ", " * swap$ *}    % Series Name, vol. XX
6509     if$
6510     }
6511     { series empty$
6512         { "can't use both volume and number if series info is missing"
6513         warning$
6514         "in BibTeX entry type '" type$ * "' * top$
6515         }
6516         { ", " * series * ", \btwnumbershort {." * number tie.or.space.connect }
6517     if$
6518     }
6519     if$
6520 }
6521 if$
6522
6523 } % end of format.bookvolume.series.number
6524

```

`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.

```

6525 FUNCTION {format.inproc.title.address.editors}
6526 { booktitle empty$
6527     { "" }
6528     { booktitle
6529         address empty$
6530         'skip$
6531         { add.space.if.necessary "(" * address * ")" * }
6532     if$
6533     editor empty$
6534     'skip$
6535     { add.space.if.necessary "(" * format.nonauthor.editors * ")" * }
6536     if$
6537 }
6538 if$
6539 }
6540

```

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

```

6541 FUNCTION {format.incoll.title.editors}
6542 { booktitle empty$
6543     { "" }
6544     { editor empty$
6545         { booktitle }
6546         { booktitle
6547             add.space.if.necessary "(" * format.nonauthor.editors * ")" *

```

```

6548     }
6549     if$
6550   }
6551   if$
6552 }
6553
6554 FUNCTION {format.edition}
6555 { edition empty$
6556   { "" }
6557   {
6558     output.state mid.sentence =
6559     { edition "1" change.case$ }
6560     { edition "t" change.case$ }
6561     if$
6562     "\btxeditionnumshort {" swap$ *
6563     "}{.}" *
6564   }
6565   if$
6566 }
6567
6568 FUNCTION {format.isbn}
6569 { isbn empty$
6570   { "" }
6571   { "\mbox{\btxISBN~\btxISBNfont {" isbn * "}}" * }
6572   if$
6573 }
6574
6575 FUNCTION {format.issn}
6576 { issn empty$
6577   { "" }
6578   { "\mbox{\btxISSN~\btxISSNfont {" issn * "}}" * }
6579   if$
6580 }
6581
6582 FUNCTION {format.url}
6583 { url empty$
6584   { "" }
6585   {
6586     urldate empty$
6587     { "{\latintext \btxurlfont{" url * "}}" * }
6588     {
6589       "{\latintext \btxurlfont{" url * "}}\empty " *
6590       "\btxurldatecomment {\btxkeywordlanguage {\btxurldatefont{" *
6591       urldate * "}}}" *
6592     }
6593     if$
6594   }
6595   if$
6596 }

```

Format annotations:

```
6597 FUNCTION {write.annotate}
6598 { annotate empty$
6599   'skip$
6600   {
6601     annotelanguage empty$
6602     { "\btkeywordlanguage {" }
6603     { "{\selectlanguage {" annotelanguage * "}" * }
6604     if$
6605     "\btannotation {" * annotate * "}" *
6606     write$ newline$
6607   }
6608   if$
6609 }
6610
6611 INTEGERS { multiresult }
6612
6613 FUNCTION {multi.page.check}
6614 { 't :=
6615   #0 'multiresult :=
6616   { multiresult not
6617     t empty$ not
6618     and
6619   }
6620   { t #1 #1 substring$
6621     duplicate$ "-" =
6622     swap$ duplicate$ "," =
6623     swap$ "+" =
6624     or or
6625     { #1 'multiresult := }
6626     { t #2 global.max$ substring$ 't := }
6627     if$
6628   }
6629   while$
6630   multiresult
6631 }
6632
6633 FUNCTION {format.pages}
6634 { pages empty$
6635   { "" }
6636   { pages n.dashify }
6637   if$
6638 }
6639
6640 FUNCTION {format.book.pages}
6641 { pages empty$
6642   { "" }
6643   { pages multi.page.check
6644     { "\btXPagesshort {."~" pages n.dashify * }
```

```

6645     { "\btxpatheshort {:.}~" pages * }
6646     if$
6647   }
6648   if$
6649 }
6650
6651 FUNCTION {format.chapter.pages}
6652 { chapter empty$
6653   'format.book.pages
6654   { type empty$
6655     { "\bt chaptershort {:.}~" }
6656     { type "l" language.change.case " " * }
6657     if$
6658     chapter *
6659     pages empty$
6660     'skip$
6661     { ", " * format.book.pages * }
6662     if$
6663   }
6664   if$
6665 }
6666
6667 FUNCTION {empty.misc.check}
6668 { author empty$ title empty$ howpublished empty$
6669   month empty$ year empty$ note empty$
6670   and and and and and
6671   key empty$ not and
6672   { "all relevant fields are empty in " cite$ * warning$ }
6673   'skip$
6674   if$
6675 }
6676
6677 FUNCTION {format.thesis.type}
6678 { type empty$
6679   'skip$
6680   { pop$
6681     type "t" language.change.case
6682   }
6683   if$
6684 }
6685
6686 FUNCTION {format.tr.number}
6687 { type empty$
6688   { "\Btxtechrepsort {:.}" }
6689   'type
6690   if$
6691   number empty$
6692   { "t" language.change.case }
6693   { number tie.or.space.connect }
6694   if$

```


6695 }

6696

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

```
6697 FUNCTION {format.article.crossref}
6698 { key empty$
6699   { journal empty$
6700     { "need key or journal for " cite$ * " to crossref " * crossref *
6701       warning$
6702       ""
6703     }
6704     { "\btxinshort {} " journal journalfont * }
6705     if$
6706   }
6707   { "\btxinshort {} " key * }
6708   if$
6709   " \cite{" * crossref * }" *
6710 }
6711
6712 FUNCTION {format.crossref.editor}
6713 { editor #1 "{vv~}{ll}" format.name$
6714   editor num.names$ duplicate$
6715   #2 >
6716   { pop$ " \btxetalshort {}" * }
6717   { #2 <
6718     'skip$
6719     { editor #2 "{ff }{vv }{ll}{ jj}" format.name$ "others" =
6720       { " \btxetalshort {}" * }
6721       { " \btxandlong {} " * editor #2 "{vv~}{ll}" format.name$ * }
6722     if$
6723   }
6724   if$
6725 }
6726 if$
6727 }
6728
6729 FUNCTION {format.book.crossref}
6730 { volume empty$
6731   { "empty volume in " cite$ * "'s crossref of " * crossref * warning$
6732     "\btxinserieslong {} "
6733   }
6734   { "\btxvolumeshort {}" volume tie.or.space.connect
6735     " \btxofserieslong {} " *
6736   }
6737   if$
6738   editor empty$
6739   editor field.or.null author field.or.null =
6740   or
6741   { key empty$
```

```

6742     { series empty$
6743         { "need editor, key, or series for " cite$ * " to crossref " *
6744             crossref * warning$
6745             "" *
6746         }
6747         { series * }
6748     if$
6749 }
6750 { key * }
6751 if$
6752 }
6753 { format.crossref.editor * }
6754 if$
6755 " \cite{" * crossref * }" *
6756 }
6757
6758 FUNCTION {format.incoll.inproc.crossref}
6759 { editor empty$
6760   editor field.or.null author field.or.null =
6761   or
6762   { key empty$
6763     { booktitle empty$
6764       { "need editor, key, or booktitle for " cite$ * " to crossref " *
6765         crossref * warning$
6766         ""
6767       }
6768       { "\btxinlong {} " * booktitle titlefont * }
6769     if$
6770   }
6771   { "\btxinlong {} " key * }
6772   if$
6773 }
6774 { "\btxinlong {} " format.crossref.editor * }
6775 if$
6776 " \cite{" * crossref * }" *
6777 }
6778

```

The main functions for each entry type.

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

```

6779 FUNCTION {article}
6780 { output.bibitem
6781   format.authors "author" output.check
6782   format.jtitle "title" output.check
6783   crossref missing$
6784   { format.journal.vol.year output
6785     format.number output
6786     format.pages "pages" output.check
6787   }

```

```

6788     { format.article.crossref output.nonnull
6789         format.pages "pages" output.check
6790     }
6791 if$
6792 format.issn output
6793 format.url output
6794 format.language *
6795 note output
6796 fin.entry
6797 write.annotate
6798 }
6799
6800 FUNCTION {book}
6801 { output.bibitem
6802   author empty$
6803     { format.editors "author and editor" output.check }
6804     { format.authors output.nonnull
6805         crossref missing$
6806         { "author and editor" editor either.or.check }
6807         'skip$
6808     } if$
6809 }
6810 if$
6811 format.title "title" output.check
6812 format.edition output
6813 crossref missing$
6814 { format.bookvolume.series.number output
6815     publisher "publisher" output.check publisherfont
6816     address output
6817 }
6818 { format.book.crossref output.nonnull
6819 }
6820 if$
6821 format.date "year" output.check
6822 format.isbn output
6823 format.url output
6824 format.language *
6825 note output
6826 fin.entry
6827 write.annotate
6828 }
6829
6830 FUNCTION {booklet}
6831 { output.bibitem
6832   format.authors output
6833   format.title "title" output.check
6834   howpublished output
6835   address output
6836   format.date output
6837   format.url output

```

```

6838 note output
6839 fin.entry
6840 write.annotate
6841 }
6842
6843 FUNCTION {inbook}
6844 { output.bibitem
6845   author empty$
6846   { format.editors "author and editor" output.check }
6847   { format.authors output.nonnull
6848     crossref missing$
6849     { "author and editor" editor either.or.check }
6850     'skip$
6851     if$
6852   }
6853 if$
6854 format.title "title" output.check
6855 format.edition output
6856 crossref missing$
6857   { format.bookvolume.series.number output
6858     format.chapter.pages "chapter and pages" output.check
6859     publisher "publisher" output.check publisherfont
6860     address output
6861   }
6862   { format.chapter.pages "chapter and pages" output.check
6863     format.book.crossref output.nonnull
6864   }
6865 if$
6866 format.date "year" output.check
6867 format.isbn output
6868 format.url output
6869 format.language *
6870 note output
6871 fin.entry
6872 write.annotate
6873 }
6874
6875 FUNCTION {incollection}
6876 { output.bibitem
6877   format.authors "author" output.check
6878   format.title "title" output.check
6879   crossref missing$
6880   { format.incoll.title.editors "booktitle" output.check
6881     format.bookvolume.series.number output
6882     publisher "publisher" output.check publisherfont
6883     address output
6884     format.edition output
6885     format.date "year" output.check
6886   }
6887   { format.incoll.inproc.crossref output.nonnull

```

```

6888     }
6889   if$
6890   note output
6891   format.book.pages output
6892   format.isbn output
6893   format.url output
6894   format.language *
6895   fin.entry
6896   write.annotate
6897 }
6898
6899 FUNCTION {inproceedings}
6900 { output.bibitem
6901   format.authors "author" output.check
6902   format.title "title" output.check
6903   crossref missing$
6904     { format.inproc.title.address.editors "booktitle" output.check
6905       format.bookvolume.series.number output
6906       organization output
6907       publisher publisherfont output
6908       format.date "year" output.check
6909     }
6910   { format.incoll.inproc.crossref output.nonnull
6911   }
6912   if$
6913   note output
6914   format.book.pages output
6915   format.isbn output
6916   format.url output
6917   format.language *
6918   fin.entry
6919   write.annotate
6920 }
6921
6922 FUNCTION {conference} { inproceedings }
6923
6924 FUNCTION {manual}
6925 { output.bibitem
6926   author empty$
6927     { organization empty$
6928       'skip$
6929       { organization output.nonnull
6930         address output
6931       }
6932     } if$
6933   }
6934   { format.authors output.nonnull }
6935   if$
6936   format.title "title" output.check
6937   author empty$

```

```

6938     { organization empty$
6939         { address output }
6940         'skip$
6941     if$
6942 }
6943 { organization output
6944     address output
6945 }
6946 if$
6947 format.edition output
6948 format.date output
6949 format.isbn output
6950 format.url output
6951 note output
6952 fin.entry
6953 write.annotate
6954 }
6955
6956 FUNCTION {mastersthesis}
6957 { output.bibitem
6958     format.authors "author" output.check
6959     format.title "title" output.check
6960     "\btxmastthesis {}" format.thesis.type output.nonnull
6961     school "school" output.check
6962     address output
6963     format.date "year" output.check
6964     format.url output
6965     note output
6966     format.book.pages output
6967     fin.entry
6968     write.annotate
6969 }
6970
6971 FUNCTION {misc}
6972 { output.bibitem
6973     format.authors output
6974     format.title output
6975     howpublished output
6976     format.date output
6977     format.isbn output
6978     format.issn output
6979     format.url output
6980     note output
6981     format.book.pages output
6982     fin.entry
6983     write.annotate
6984     empty.misc.check
6985 }
6986
6987 FUNCTION {phdthesis}

```

```

6988 { output.bibitem
6989   format.authors "author" output.check
6990   format.title "title" output.check
6991   "\btxphdthesis {}" format.thesis.type output.nonnull
6992   school "school" output.check
6993   address output
6994   format.date "year" output.check
6995   format.isbn output
6996   format.url output
6997   note output
6998   format.book.pages output
6999   fin.entry
7000   write.annotate
7001 }
7002
7003 FUNCTION {proceedings}
7004 { output.bibitem
7005   editor empty$
7006   { organization output }
7007   { format.editors output.nonnull }
7008   if$
7009   format.title "title" output.check
7010   format.bookvolume.series.number output
7011   address empty$
7012   { editor empty$
7013     'skip$
7014     { organization output }
7015     if$
7016     publisher publisherfont output
7017     format.date "year" output.check
7018   }
7019   { address output.nonnull
7020     editor empty$
7021     'skip$
7022     { organization output }
7023     if$
7024     publisher publisherfont output
7025     format.date "year" output.check
7026   }
7027   if$
7028   format.isbn output
7029   format.url output
7030   note output
7031   fin.entry
7032   write.annotate
7033 }
7034
7035 FUNCTION {techreport}
7036 { output.bibitem
7037   format.authors "author" output.check

```

```

7038 format.title "title" output.check
7039 format.tr.number output.nonnull
7040 institution "institution" output.check
7041 address output
7042 format.date "year" output.check
7043 format.isbn output
7044 format.url output
7045 note output
7046 fin.entry
7047 write.annotate
7048 }
7049
7050 FUNCTION {unpublished}
7051 { output.bibitem
7052   format.authors "author" output.check
7053   format.title "title" output.check
7054   format.url output
7055   note "note" output.check
7056   format.date output
7057   fin.entry
7058   write.annotate
7059 }
7060
7061 FUNCTION {default.type} { misc }
7062
7063 MACRO {jan} {"1"}
7064 MACRO {feb} {"2"}
7065 MACRO {mar} {"3"}
7066 MACRO {apr} {"4"}
7067 MACRO {may} {"5"}
7068 MACRO {jun} {"6"}
7069 MACRO {jul} {"7"}
7070 MACRO {aug} {"8"}
7071 MACRO {sep} {"9"}
7072 MACRO {oct} {"10"}
7073 MACRO {nov} {"11"}
7074 MACRO {dec} {"12"}
7075
7076 READ
7077
7078 FUNCTION {sortify}
7079 { purify$
7080   "1" language.change.case
7081 }
7082
7083 INTEGERS { len }
7084
7085 FUNCTION {chop.word}
7086 { 's :=
7087   'len :=

```



```

7088 s #1 len substring$ =
7089 { s len #1 + global.max$ substring$ }
7090 's
7091 if$
7092 }
7093
7094 FUNCTION {sort.format.names}
7095 { 's :=
7096 #1 'nameptr :=
7097 ""
7098 s num.names$ 'numnames :=
7099 numnames 'namesleft :=
7100 { namesleft #0 > }
7101 { nameptr #1 >
7102   { " " * }
7103   'skip$
7104   if$
7105   s nameptr "{vv{ } }{ll{ }}{ ff{ }}{ jj{ }}" format.name$ 't :=
7106   nameptr numnames = t "others" = and
7107   { "et al" * }
7108   { t sortify * }
7109   if$
7110   nameptr #1 + 'nameptr :=
7111   namesleft #1 - 'namesleft :=
7112 }
7113 while$
7114 }
7115
7116 FUNCTION {sort.format.title}
7117 { 't :=
7118 "A " #2
7119 "An " #3
7120 "The " #4 t chop.word
7121 chop.word
7122 chop.word
7123 sortify
7124 #1 global.max$ substring$
7125 }
7126
7127 FUNCTION {author.sort}
7128 { author empty$
7129   { key empty$
7130     { "to sort, need author or key in " cite$ * warnings$
7131       ""
7132     }
7133     { key sortify }
7134   if$
7135 }
7136 { author sort.format.names }
7137 if$

```

```

7138 }
7139
7140 FUNCTION {author.editor.sort}
7141 { author empty$
7142   { editor empty$
7143     { key empty$
7144       { "to sort, need author, editor, or key in " cite$ * warning$
7145         ""
7146       }
7147       { key sortify }
7148     } if$
7149   }
7150   { editor sort.format.names }
7151 } if$
7152 }
7153 { author sort.format.names }
7154 } if$
7155 }
7156
7157 FUNCTION {author.organization.sort}
7158 { author empty$
7159   { organization empty$
7160     { key empty$
7161       { "to sort, need author, organization, or key in " cite$ * warning$
7162         ""
7163       }
7164       { key sortify }
7165     } if$
7166   }
7167   { "The " #4 organization chop.word sortify }
7168 } if$
7169 }
7170 { author sort.format.names }
7171 } if$
7172 }
7173
7174 FUNCTION {editor.organization.sort}
7175 { editor empty$
7176   { organization empty$
7177     { key empty$
7178       { "to sort, need editor, organization, or key in " cite$ * warning$
7179         ""
7180       }
7181       { key sortify }
7182     } if$
7183   }
7184   { "The " #4 organization chop.word sortify }
7185 } if$
7186 }
7187 { editor sort.format.names }

```

```

7188 if$
7189 }
7190
7191 FUNCTION {presort}
7192 { type$ "book" =
7193   type$ "inbook" =
7194   or
7195     'author.editor.sort
7196     { type$ "proceedings" =
7197       'editor.organization.sort
7198       { type$ "manual" =
7199         'author.organization.sort
7200         'author.sort
7201         if$
7202       }
7203     }
7204   }
7205 if$
7206 " "
7207 *
7208 year field.or.null sortify
7209 *
7210 " "
7211 *
7212 title field.or.null
7213 sort.format.title
7214 *
7215 #1 entry.max$ substring$
7216 'sort.key$ :=
7217 }
7218
7219 ITERATE {presort}
7220
7221 SORT
7222
7223 STRINGS { longest.label prev.author this.author }
7224
7225 INTEGERS { number.label longest.label.width }
7226
7227 FUNCTION {initialize.longest.label}
7228 { "" 'longest.label :=
7229   #1 'number.label :=
7230   #0 'longest.label.width :=
7231   "abcxyz" 'prev.author :=
7232   "" 'this.author :=
7233 }
7234
7235 FUNCTION {longest.label.pass}
7236 { number.label int.to.str$ 'label :=
7237   number.label #1 + 'number.label :=

```

```

7238 label width$ longest.label.width >
7239   { label 'longest.label :=
7240     label width$ 'longest.label.width :=
7241   }
7242   'skip$
7243 if$
7244 author empty$
7245   { editor empty$
7246     { "" }
7247     'editor
7248     if$
7249   }
7250   'author
7251 if$
7252 'this.author :=
7253 this.author prev.author =
7254   { "\bysame" 'bysame := }
7255   { "" 'bysame :=
7256     this.author "" =
7257       { "abcxyz" }
7258       'this.author
7259       if$
7260       'prev.author :=
7261     }
7262 if$
7263 }
7264
7265 EXECUTE {initialize.longest.label}
7266
7267 ITERATE {longest.label.pass}
7268
7269 FUNCTION {write.lines}
7270 { { duplicate$ "." = NOT }
7271   { write$ newline$ }
7272   while$
7273   pop$
7274 }
7275
7276 FUNCTION {begin.bib}
7277 { preamble$ empty$
7278   'skip$
7279   { preamble$ write$ newline$ }
7280 if$
7281 "\begin{thebibliography}{ longest.label * }" * write$ newline$
7282 " \providecommand{\bysame}{\leavevmode\hbox to3em{\hrulefill}\thinspace}"
7283 write$ newline$
7284 " \providecommand{\MR}{\relax\ifhmode\unskip\space\fi MR }"
7285 write$ newline$
7286 " % \MRhref is called by the amsart/book/proc definition of \MR."
7287 write$ newline$

```

```

7288 " \providecommand{\MRhref}[2]{%" write$ newline$
7289 "   \href{http://www.ams.org/mathscinet-getitem?mr=#1}{#2}"
7290 write$ newline$
7291 " }" write$ newline$
7292 " \providecommand{\href}[2]{#2}" write$ newline$
7293 " \providebibliographyfont{name}{}" write$ newline$
7294 " \providebibliographyfont{lastname}{}" write$ newline$
7295 " \providebibliographyfont{title}{\emph}%" write$ newline$
7296 " \providebibliographyfont{jtitle}{\texttitlefont}%" write$ newline$
7297 " \providebibliographyfont{etal}{}" write$ newline$
7298 " \providebibliographyfont{journal}{}" write$ newline$
7299 " \providebibliographyfont{volume}{\textbf}%" write$ newline$
7300 " \providebibliographyfont{ISBN}{\MakeUppercase}%" write$ newline$
7301 " \providebibliographyfont{ISSN}{\MakeUppercase}%" write$ newline$
7302 " \providebibliographyfont{url}{\url}%" write$ newline$
7303 " \providebibliographyfont{numeral}{}" write$ newline$
7304 " \providecommand\btxprintamslanguage[1]{\ (#1)}" write$ newline$
7305 " \expandafter\btxselectlanguage\expandafter {\btxfallbacklanguage}"
7306 write$ newline$
7307 }
7308
7309 EXECUTE {begin.bib}
7310
7311 EXECUTE {init.state.consts}
7312
7313 ITERATE {call.type$}
7314
7315 FUNCTION {end.bib}
7316 { newline$
7317 "\end{thebibliography}" write$ newline$
7318 }
7319
7320 EXECUTE {end.bib}
7321 </bstams>

```

Change History

| | | | |
|-----|--------------------------------------|-----------------------------------|----|
| 0.1 | | \btxlanguagename: Added | 18 |
| | General: Total new version | \btxselectlanguage: Added . . . | 17 |
| 0.2 | | \providebibliographyfont: | |
| | \bibsenglish: Added language | Added | 20 |
| | names | \setbibliographyfont: Don't | |
| | Changed some abbreviations . . | change the font commands | |
| | \bibsgerman: Added language | directly but use this command | 19 |
| | names | \url: Added, if not available by | |
| | \bibsitalian: Added placeholders | another package | 25 |
| | for language names | General: Added option | |
| | \btxauthorcolon: Added | languagenames to define | |

| | | | |
|--|------------|---|----------|
| commands for language | | For <code>babalpha.bst</code> , use | |
| names | 4, 14 | <code>\btotechreplong</code> | 126 |
| Removed Italian from the list of | | Moved the <code>bst</code> files into the | |
| automatically found languages, | | global <code>dtx</code> file | 108 |
| since it is not complete, yet . . | 25 | Switch to a fall-back language | |
| Rewritten in main parts | 1 | when <code>language</code> field is | |
| 0.3 | | missing | 112, 152 |
| <code>\declarebtxcommands</code> : Added . . | 19 | 0.41 | |
| <code>\selectbiblanguage</code> : Handling of | | General: Added Norwegian (by | |
| usage before or after | | Hans Fredrik Nordhaug) | 25 |
| <code>begin{document}</code> added | 16 | Corrected <code>babunsrt.bst</code> | 141 |
| 0.31 | | Corrected swedish (by Hans | |
| <code>\bibsitalian</code> : Added some | | Fredrik Nordhaug) | 89 |
| language names for Italian . . . | 40 | 0.42 | |
| General: Added Italian to the list | | General: Reorganise docstrip code | 1 |
| of automatically found | | Use unique version strings for all | |
| languages, again | 25 | files of the bundle | 1 |
| 0.32 | | 0.43 | |
| <code>\bbbaddto</code> : Changed <code>\bbbaddto</code> | | <code>\inputbdf</code> : Test on | |
| in order to allow different | | <code>\date{language}</code> instead on | |
| commands to be added to | | <code>\l@{language}</code> (caused | |
| <code>\extras{language}</code> | 16 | problems with T _E XLive) | 16 |
| <code>\btxifchangepcaseoff</code> : Move | | General: Document the problem | |
| change of case from <code>bst</code> to <code>sty</code> | 19 | using <code>frenchle.sty</code> when | |
| <code>\btxnamefont</code> : Add new font for | | using <code>french</code> language with | |
| journal names | 21 | some babel versions | 1 |
| General: Added French language | 48 | Warn if using <code>french</code> language | 51 |
| Move change of case from <code>bst</code> to | | 0.44 | |
| <code>sty</code> | 31, 38, 41 | General: Improved spacings in | |
| 0.33 | | documentation | 1 |
| <code>\bibsitalian</code> : Changed some | | Only warn if babel version is too | |
| Italian keywords according to | | old | 51 |
| the custom-bib file <code>italian.mbs</code> | 38 | 0.44a | |
| General: Added Danish language | 72 | General: Adapted Makefile for | |
| Added Dutch language | 85 | T _E XLive | 1 |
| Added Portuguese language . . | 81 | 0.45 | |
| Added Spanish language | 65 | General: Added Esperanto | |
| Added Swedish language | 89 | language | 78 |
| 0.34 | | Added Finnish language | 75 |
| General: Added Afrikaans | 25 | 0.46 | |
| Added Afrikaans language . . . | 95 | General: Enable to switch off | |
| 0.40 | | printout of language name with | |
| <code>\btxfallbacklanguage</code> : Add the | | <code>babamspl</code> style | 1 |
| command | | 1.00 | |
| <code>\btxfallbacklanguage</code> for | | <code>\bibsenglish</code> : Handle package | |
| items without given language . | 19 | <code>frenchpro</code> | 34 |
| <code>\url</code> : If no <code>\url</code> command is | | <code>\bibsfrrench</code> : Handle package | |
| defined, produce an error | 25 | <code>frenchpro</code> | 48 |
| General: For <code>babalpha.bst</code> , use | | General: Added <code>urldate</code> to all | |
| <code>\Btotechreplong</code> | 126 | BIBT _E X styles | 1 |

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|--|----------|---|----------|
| Added Catalan language | 102 | General: Add extra formatting of lastnames to <code>BIBTEX</code> styles | 115, 149 |
| Fix sorting of <code>BIBTEX</code> entries without an author | 138 | Correct <code>\btxlabelnameenglish</code> , <code>\btxmastthesis</code> , and <code>\btxmonaugshort</code> in <code>french.bdf</code> | 1 |
| Remove <code>emphasize</code> and <code>smallcaps</code> from <code>BIBTEX</code> styles | 115, 148 | 1.13 General: Apply corrections to and complete Italian language | 1 |
| Remove warning for old babel package with <code>french</code> language | 51 | 1.14 General: Complete and correct catalan | 1 |
| Renamed <code>franceis</code> to <code>francais</code> . | 25 | 1.15 <code>\biblanguage</code> : Add <code>\biblanguage</code> that switches to the keyword language within a field | 18 |
| Rewritten warning about <code>frenchle.sty</code> package | 1 | General: Small bug fix in loading language files | 15 |
| Shorten version string | 1 | 1.16 <code>\bibsgerman</code> : Allow to alter space between two forenames | 29 |
| 1.01 General: Added space after the <code>\btx...</code> commands in the <code>bst</code> files to avoid line-breaking problem | 1 | 1.17 <code>\bibsgerman</code> : Handle numerical edition numbers | 29 |
| 1.02 General: Language Portuguese completed | 1, 81 | General: Change the language in alpha-numerical bib items | 112 |
| 1.10 General: Allow different ordering of forenames and lastnames . . . | 1 | Handle numerical edition numbers | 23 |
| Bug in Portuguese removed . . . | 81 | 1.20 General: Add Greek language | 1 |
| Protect the <code>\foreignlanguage</code> calls (avoids problems with <code>natbib</code>) | 1 | Add new font <code>jttitle</code> for titles of journal articles | 1 |
| 1.11 General: Avoid some additional line breaks in author and editor names | 1 | Add the fields <code>ANNOTE</code> and <code>ANNOTELANGUAGE</code> to all <code>bibTEX</code> styles and introduce the command <code>\btxannotation</code> which prints the annotations on request. | 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 | Add the package options <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 |
| Switch ISBN and ISSN in bibliographies on and off (does not work for \mathcal{AMS} style) | 1 | Bugfix in names writing of abbreviated styles | 1 |
| 1.12 <code>\btxnamefont</code> : Add new font <code>\btxlastname</code> for last names . . | 21 | Change method to write <code>urldate</code> to enable to write it in brackets | 1 |
| <code>\setbtxfallbacklanguage</code> : Add the command <code>\setbtxfallbacklanguage</code> to force a fall-back language . . . | 19 | | |

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|------|--|----|--|---------------|
| | Ensure to write URL's in latin font | 1 | Fixed publisherfont in babamspl.bst | 1 |
| | Fix a bug with additional spaces after names | 1 | 1.28 | |
| 1.21 | Numerals for French and Spanish | 1 | General: Automatic formatting of month year combinations (either "June 2009" or "06/2009") | 1 |
| | General: Fix problem when the first bibliography entry is in an unknown language | 1 | Corrected Diciembre in Spanish language | 1 |
| 1.22 | General: Remove space after <code>\bt:urlfont</code> again because a linebreak between <code>\url</code> and the argument breaks <code>hyperref.sty</code> | 1 | Some corrections in Brazilian Portuguese | 1 |
| | 1.29 | | General: Fix output of "urldate" | 1 |
| 1.23 | General: Fix bug in typesetting title of articles for <code>babamspl.bst</code> | 1 | 1.30 | |
| | 1.31 | | General: Added Croatian language | 1, 105 |
| 1.24 | General: Put <code>\bt:ISSN</code> and <code>\bt:ISBN</code> into an <code>\mbox</code> to prevent them from being hyphenated | 1 | <code>\bibsspanish</code> : Fix definition of <code>\bt:numerallong</code> in Spanish | 67 |
| | 1.32 | | <code>\bt:numeralromanian</code> : Added Romanian numerals | 24 |
| 1.25 | General: Add font command for publisher | 1 | <code>\bt:numeralswedish</code> : Added Swedish numerals | 24 |
| | Remove change of language in alpha-numerical bib items because of occasional exceeded TeX memory | 1 | General: Added Serbian, Czech, and Romanian language | 1, 51, 62, 69 |
| 1.26 | General: Added French and Portuguese numerals | 1 | Change handling of editions to allow keyword 'edition' before the edition number | 1 |
| | Added Galician and Bahasa languages | 1 | Corrected Swedish (by Erik Östhols) | 89 |
| | Added Galician language | 31 | Corrections in Portuguese, Croatian, Swedish | 1 |
| | Correct journal article title font in <code>babamspl.bst</code> | 1 | 1.33 | |
| | Corrected Spanish numerals | 1 | General: Corrected Spanish abbrevs (by Pablo Daniel Pareja Obregon) | 65 |
| | Linebreak added between <code>url</code> and <code>urldate</code> | 1 | Fix Spanish month abbreviation missing periods | 1 |
| | Removed comma before 'and' in long lists of authors in Portuguese and Swedish | 1 | General: Add Afrikaans translation of <code>urldatecomment</code> | 1 |
| 1.27 | General: Added Russian language | 1 | Added translation of <code>urldatecomment</code> (by Bertus van Heerden) | 95 |
| | Capitalised month names in Portuguese but not in Brazilian | 1 | 1.34 | |
| | | | <code>\bbbifpackageloaded</code> : Bug with explicitly loaded language fixed | 14 |

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| <code>\btxnnumeralfrench</code> : Moved | Bug with explicitly loaded |
| <code>\btxnnumeralfrench</code> into the | language fixed 1 |
| style file 24 | Moved <code>\btxnnumeralfrench</code> into |
| General: Added <code>\btxjnumbers</code> . . . 1 | the style file 51 |
| Added Turkish language 1, 92 | Small bug fix in documentation 1 |

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