

NAME

texindy – create sorted and tagged index from raw LaTeX index

SYNOPSIS

```
texindy [-V?h] [-qv] [-iglr] [-d magic] [-o outfile.ind] [-t log] \
        [-L lang] [-C codepage] [-M module] [idx0 idx1 ...]
```

GNU-Style Long Options for Short Options:

```
-V / --version
-? / -h / --help
-q / --quiet
-v / --verbose
-i / --stdin
-g / --german
-l / --letter-ordering
-r / --no-ranges
-d / --debug           (multiple times)
-o / --out-file
-t / --log-file
-L / --language
-C / --codepage
-M / --module         (multiple times)
-I / --input-markup   (supported: latex, omega)
```

DESCRIPTION

texindy is the LaTeX-specific command of xindy, the flexible indexing system. It takes a raw index as input, and produces a merged, sorted and tagged index. Merging, sorting, and tagging is controlled by xindy modules, with a convenient set already preloaded.

Files with the raw index are passed as arguments. If no arguments are passed, the raw index will be read from standard input.

A good introductory description of **texindy** appears in the indexing chapter of the LaTeX Companion (2nd ed.)

If you want to produce an index for LaTeX documents with special index markup, the command *xindy*(1) is probably more of interest for you.

texindy is an approach to merge support for the *make-rules* framework, own xindy modules (e.g., for special LaTeX commands in the index), and a reasonable level of MakeIndex compatibility. There are other older approaches, eventually they will get a description on the xindy Web Site, <http://www.xindy.org/>.

OPTIONS

```
--version / -V
    output version numbers of all relevant components and exit.

--help / -h / -?
    output usage message with options explanation.

--quiet / -q
    Don't output progress messages. Output only error messages.
```

- `--version / -v`
Output verbose progress messages.
- `--debug magic / -d magic`
Output debug messages, this option may be specified multiple times. *magic* determines what is output:
- | magic | remark |
|-----------------|---------------------------------------------------|
| script | internal progress messages of driver scripts |
| keep_tmpfiles | don't discard temporary files |
| markup | output markup trace, as explained in xindy manual |
| level= <i>n</i> | log level, <i>n</i> is 0 (default), 1, 2, or 3 |
- `--out-file outfile.ind / -o outfile.ind`
Output index to file *outfile.ind*. If this option is not passed, the name of the output file is the base name of the first argument and the file extension *ind*. If the raw index is read from standard input, this option is mandatory.
- `--log-file log.ilg / -t log.ilg`
Output log messages to file *log.ilg*. These log messages are independent from the progress messages that you can influence with `--debug` or `--verbose`.
- `--language lang / -L lang`
The index is sorted according to the rules of language *lang*. These rules are encoded in a xindy module created by *make-rules*.
- If no input encoding is specified via `--codepage`, a xindy module for that language is searched with a latin, a cp, an iso, or ascii encoding, in that order.
- `--codepage enc / B <-C> enc`
The raw input is in input encoding *enc*. This information is used to select the correct xindy sort module and also the *inputenc* target encoding for latex input markup.
- When omega input markup is used, utf8 is always used as the sort codepage and no *inputenc* module is loaded. Then this option is ignored.
- `--module module / -M module`
Load the xindy module *module.xdy*. This option may be specified multiple times. The modules are searched in the xindy search path that can be changed with the environment variable XINDY_SEARCHPATH.
- `--input-markup input / -I input`
Specifies the input markup of the raw index. Supported values for *input* are latex and omega.
- latex input markup is the one that is emitted by default from the LaTeX kernel, or by the index macro package of David Jones. `^^`-notation of single byte characters is supported. Usage of LaTeX's *inputenc* package is assumed as well.
- omega input markup is like latex input markup, but with Omega's `^^`-notation as encoding for non-ASCII characters. LaTeX *inputenc* encoding is not used then, and utf8 is enforced to be the codepage for sorting.

SUPPORTED LANGUAGES / CODEPAGES

The following languages are supported:

Latin scripts

albanian	gypsy	portuguese
croatian	hausa	romanian
czech	hungarian	russian-iso
danish	icelandic	slovak-small
english	italian	slovak-large
esperanto	kurdish-bedirxan	slovenian
estonian	kurdish-turkish	spanish-modern
finnish	latin	spanish-traditional
french	latvian	swedish
general	lithuanian	turkish
german-din	lower-sorbian	upper-sorbian
german-duden	norwegian	vietnamese
greek-iso	polish	

German recognizes two different sorting schemes to handle umlauts: normally, ä is sorted like ae, but in phone books or dictionaries, it is sorted like a. The first scheme is known as *DIN order*, the second as *Duden order*.

*-iso language names assume that the raw index entries are in ISO 8859-9 encoding.

gypsy is a northern Russian dialect.

Cyrillic scripts

belarusian	mongolian	serbian
bulgarian	russian	ukrainian
macedonian		

Other scripts

greek	klinton
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Available Codepages

This is not yet written. You can look them up in your xindy distribution, in the *modules/lang/language/* directory (where *language* is your language). They are named *variant-codepage-lang.xdy*, where *variant-* is most often empty (for german, it's *din5007* and *duden*; for spanish, it's *modern* and *traditional*, etc.)

< Describe available codepages for each language >

< Describe relevance of codepages (as internal representation) for LaTeX inputenc >

TEXINDY STANDARD MODULES

There is a set of **texindy** standard modules that help to process LaTeX index files. Some of them are automatically loaded. Some of them are loaded by default, this can be turned off with a **texindy** option. Others may be specified as `--module` argument to achieve a specific effect.

xindy Module	Category	Description
Sorting		
word-order	Default	A space comes before any letter in the alphabet: <code>''index style''</code> is listed before <code>''indexing''</code> . Turn it off with option <code>-l</code> .
letter-order	Add-on	Spaces are ignored: <code>''index style''</code> is sorted after <code>''indexing''</code> .
keep-blanks	Add-on	Leading and trailing white space (blanks and tabs) are not ignored; intermediate white space is not changed.
ignore-hyphen	Add-on	Hyphens are ignored: <code>''ad-hoc''</code> is sorted as <code>''adhoc''</code> .
ignore-punctuation	Add-on	All kinds of punctuation characters are ignored: hyphens, periods, commas, slashes, parentheses, and so on.
numeric-sort	Auto	Numbers are sorted numerically, not like characters: <code>''V64''</code> appears before <code>''V128''</code> .
Page Numbers		
page-ranges	Default	Appearances on more than two consecutive pages are listed as a range: <code>''1--4''</code> . Turn it off with option <code>-r</code> .
ff-ranges	Add-on	Uses implicit <code>''ff''</code> notation for ranges of three pages, and explicit ranges thereafter: <code>2f</code> , <code>2ff</code> , <code>2--6</code> .
ff-ranges-only	Add-on	Uses only implicit ranges: <code>2f</code> , <code>2ff</code> .
book-order	Add-on	Sorts page numbers with common book numbering scheme correctly -- Roman numerals first, then Arabic numbers, then others: <code>i</code> , <code>1</code> , <code>A</code> .
Markup and Layout		
tex	Auto	Handles basic TeX conventions.
latex-loc-fmts	Auto	Provides LaTeX formatting commands for page number encapsulation.
latex	Auto	Handles LaTeX conventions, both in raw index entries and output markup; implies <code>tex</code> .
makeindex	Auto	Emulates the default MakeIndex input syntax and quoting behavior.
latin-lettergroups	Auto	Layout contains a single Latin letter above each group of words starting with the same letter.
german-sty	Add-on	Handles umlaut markup of babel's <code>german</code> and <code>ngerman</code> options.

ENVIRONMENT

TEXINDY_AUTO_MODULE

This is the name of the xindy module that loads all auto-loaded modules. The default is `texindy`.

AUTHOR

Joachim Schrod

LEGALESE

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