

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)
```

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=n	log level, n 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.

--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`.

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-uden	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
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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>''ad hoc''</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

<code>tex</code>	Auto	Handles basic TeX conventions.
<code>latex-loc-fmts</code>	Auto	Provides LaTeX formatting commands for page number encapsulation.
<code>latex</code>	Auto	Handles LaTeX conventions, both in raw index entries and output markup; implies <code>tex</code> .
<code>makeindex</code>	Auto	Emulates the default MakeIndex input syntax and quoting behavior.
<code>latin-lettergroups</code>	Auto	Layout contains a single Latin letter above each group of words starting with the same letter.
<code>german-sty</code>	Add-on	Handles umlaut markup of babel's german and ngerman options.

ENVIRONMENT

`TEXINDY_AUTO_MODULE`

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

AUTHOR

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LEGALESE

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