

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.

--verbose / -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 | ghypsy | 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.

ghypsy is a northern Russian dialect.

Cyrillic scripts

| | | |
|------------|-----------|-----------|
| belarusian | mongolian | serbian |
| bulgarian | russian | ukrainian |
| macedonian | | |

Other scripts

| | |
|-------|---------|
| greek | klinton |
|-------|---------|

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

| | | |
|---------------------------------|--------|--|
| <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 <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

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LEGALESE

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