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 introductionary 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 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         klingon
```

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: ‘‘index style’’ is listed before ‘‘indexing’’. Turn it off with option -l.
letter-order	Add-on	Spaces are ignored: ‘‘index style’’ is sorted after ‘‘indexing’’.
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: ‘‘ad-hoc’’ is sorted as ‘‘adhoc’’.
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: ‘‘V64’’ appears before ‘‘V128’’.

Page Numbers

page-ranges	Default	Appearances on more than two consecutive pages are listed as a range: ‘‘1--4’’. Turn it off with option -r.
ff-ranges	Add-on	Uses implicit ‘‘ff’’ notation for ranges of three pages, and explicit ranges thereafter: 2f, 2ff, 2--6.
ff-ranges-only	Add-on	Uses only implicit ranges: 2f, 2ff.
book-order	Add-on	Sorts page numbers with common book numbering scheme correctly -- Roman numerals first, then Arabic numbers, then others: i, 1, A.

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 tex.
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 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`.

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