

NAME

twill, **twill-refsort** – translate a literate programming WEB to TeX with mini-indexes

SYNOPSIS

```
twill [-x] webfile[.web] [{changefile[.ch]]-} [outfile[.tex]]]
twill-refsort < reffile.ref > sreffile.sref
```

DESCRIPTION

The **twill** program is used to create a TeX file for viewing a literate program written in WEB. The output TeX file name is formed by adding *.tex* to the root of the file name.

twill is like **weave**(1), but also supplies cross-reference information in the form of ‘mini-indexes’ for each spread of pages, for identifiers used on that spread, and a ‘master index’ at the end that it gathers automatically.

You need to run **twill** twice, once to prime the pump and once to get decent answers. Moreover, you must run the output twice through TeX.

For a program *foo.web*, after a first *tex foo* you will have output that looks like final pages except that the entries of mini-indexes will not be alphabetized. The first run produces an auxiliary file named *foo.ref*.

Run *twill-refsort <foo.ref >foo.sref* and then another *tex foo* will produce alphabetized output.

OPTIONS

See **tex**(1) for details of command-line parsing, and **weave**(1) for options accepted.

ENVIRONMENT

The environment variable WEBINPUTS is used to search for the input files, If it is not set, it uses the system default. See the Kpathsea manual at <https://tug.org/kpathsea> for the details of the searching.

BUGS

The table of contents file, *CONTENTS.tex*, is generated but ignored (unless macros in *twimac-web.tex* are redefined).

FILES

\$TEXMFMAIN/tex/plain/cweb/cwebbin/twimac-web.tex
TeX macros used by **twill** output.

SEE ALSO

tangle(1) for references, authors, and other information about WEB in general.

Donald E. Knuth, Mini-indexes for literate programs, *Software–Concepts and Tools*, 15(1):2-11, 1994.

<https://arxiv.org/abs/cs/9401102>

CTWILL program source, section 287:

<https://mirror.ctan.org/info/knuth-pdf/cweb/ctwill.pdf>

(Not all features described there are available in the older **twill** system, but you will get the gist.)

Public discussion list and bug reports: <https://lists.tug.org/tex-k>