

**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>