

**NAME**

**weave** – translate a literate programming WEB to TeX

**SYNOPSIS**

**weave** [-p] [-x] *webfile*[.web] [{*change**file*[.ch]]-} [*outfile*[.tex]]

**DESCRIPTION**

The **weave** program creates a TeX file for viewing a literate program written in WEB. It takes appropriate care of typographic details like page layout and the use of indentation, italics, boldface, etc., and it supplies extensive cross-index information that it gathers automatically.

The output TeX file name is formed by adding **.tex** to the root of the WEB file name or from the third argument. In this case you can specify '-' as an empty change file. These non-option command line arguments are handled in the same way as **tangle(1)**.

There are several macros that probably should be redefined by the programmer at the beginning of the WEB file. It is a good idea to set `\title` to the name of the program. To output only those modules which are changed, one can say `\let\maybe=\iffalse`, usually as the first change in the change file.

**OPTIONS**

See **tex(1)** for details of command-line parsing.

- p**      says to `\input pwebmac.tex`, a variant on the default *webmac.tex* which is more suited for PDF output.
- x**      says to omit the index, module name list, and table of contents pages. (A *CONTENTS.tex* file will still be written when the TeX file is processed, however, unless some macros in *webmac.tex* are redefined.)

The standard **-help** and **-version** options are also supported.

**ENVIRONMENT**

The programs look for the input files using the environment variable WEBINPUTS. 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 appears at the end of the output.

**FILES**

*\$TEXMFMAIN/tex/plain/knuth-lib/webmac.tex*

TeX macros used by **weave** output.

*\$TEXMFMAIN/tex/plain/pwebmac/pwebmac.tex*

Alternative TeX macros used for PDF output.

*CONTENTS.tex*

Temporary file created by **weave** for the table of contents.

**SEE ALSO**

**tangle(1)** for references, authors, and other information.

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