

# C/WEB programs in T<sub>E</sub>X Live

## Introduction

Welcome to “All Things WEB” in T<sub>E</sub>X Live.

Here you find the documented source code of all major WEB and CWEB programs in readable format. The NAMED entries represent the unmodified base sources as written by their respective authors, the attached `chg` links point to only the changed sections (or modules) as applied for release in the T<sub>E</sub>X Live distribution, so you may want to study these pairs in parallel. Care has been taken to keep the section numbering intact.

Although not all the programs presented here are written or maintained by Donald Knuth, it is more convenient for everything to be collected in one place for reading and searching. And they all stem from the system that Knuth created.

Note that all WEB programs are mogrified from Pascal code to C code before compilation, so further modifications and amendments will occur for the real thing, i.e., the production of the executable WEB programs. (The CWEB programs do not require these extra modifications, they get linked directly to the external runtime environment.)

If you believe to have found anything that remains technically, historically, typographically, or politically incorrect in any of these files, please feel free to [report bugs in T<sub>E</sub>X and friends](#) or [contact the maintainer of this collection](#) directly.

## Canonical Knuthian WEB programs

- `etc/` [ [VFtoVP+chg](#) | [VPtoVF+chg](#) ]
- `mf/` [ [Metafont+chg](#) | [TRAPMAN](#) ]
- `mfware/` [ [GFtype+chg](#) | [GFtoPK+chg](#) | [GFtoDVI+chg](#) | [MFT+chg](#) ]
- `tex/` [ [GLUE](#) | [TeX+chg](#) | [TRIPMAN](#) ]
- `texware/` [ [POOLtype+chg](#) | [TFtoPL+chg](#) | [PLtoTF+chg](#) | [DVItype+chg](#) ]
- `web/` [ [WEBMAN](#) | [WEAVE+chg](#) | [TANGLE+chg](#) | [TWILL<sup>1</sup>](#) ]

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<sup>1</sup>TWILL is presented here as a changed variant of WEAVE.

## Complementary WEB programs by other authors

- other/ [ [DVIcopy+chg](#) | [PatGen+chg](#) | [PKtoGF+chg](#) | [PKtype+chg](#) ]
- bibtex/ [ [BibTeX+chg](#) ]
- pdftex/ [ [pdfTeX+chg](#) ]
- xetex/ [ [XeTeX+chg](#) ]

## CWEB programs by Knuth *et al.*

- cweb/ [ [CWEBMAN](#) | [COMMON+chg](#) | [CTANGLE+chg](#) | [CWEAVE+chg](#) | [CTWILL<sup>2</sup>](#) | [REFSORT+chg](#) | [TWINX+chg](#) ]
- ctie/ [ [CTIE+chg](#) ]
- tie/ [ [TIE+chg](#) ]
- hitex/ [ [HiTeX](#) ]
- mp/ [ [MP](#) | [MPOST](#) ]<sup>3</sup>

## Errata for “Computers & Typesetting” by Donald E. Knuth

- errata/
  - [The Errors of T<sub>E</sub>X](#)
  - [The T<sub>E</sub>Xbook, 1<sup>st</sup> printing](#)
  - [The T<sub>E</sub>Xbook, 2<sup>nd</sup> printing](#)
  - [Computers & Typesetting, 15 June 1987](#)
  - [Computers & Typesetting, 20 February 1989](#)
  - [Computers & Typesetting, 30 September 1989](#)
  - [Computers & Typesetting, 31 December 1990](#)
  - [Computers & Typesetting, 15 March 1992](#)
  - [Computers & Typesetting, pre-Millennium ed.](#)
  - [The T<sub>E</sub>Xbook, September 1996](#)
  - [Computers & Typesetting, 1<sup>st</sup> Millennium ed.](#)
  - [Computers & Typesetting, 2<sup>nd</sup> Millennium ed.](#)
  - [Computers & Typesetting, early 2014](#)
  - [Computers & Typesetting, 31 January 2021](#)

## Happy C/WEB Programming!

2024-08-11 Andreas Scherer

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<sup>2</sup>CTWILL is presented here in its own format with “mini-indexes” for every two consecutive pages.

<sup>3</sup>MP and MPOST have received quite a few changes “behind the scenes” in order to present them in this collection; see project [mplibdir](#) for details.