

**NAME**

troff, nroff – text formatting and typesetting

**SYNOPSIS**

**troff** [ *option ...* ] [ *file ...* ]

**nroff** [ *option ...* ] [ *file ...* ]

**DESCRIPTION**

*Troff* formats text in the named *files* for printing on a typesetter. *Nroff* does the same, but produces output suitable for typewriter-like devices.

If no *file* argument is present, the standard input is read. An argument consisting of a single minus (-) is taken to be a file name corresponding to the standard input. The options are:

- olist** Print pages in the comma-separated *list* of numbers and ranges. A range *N-M* means *N* through *M*; initial *-M* means up to *M*; final *N-* means from *N* to the end.
- nN** Number first generated page *N*.
- mname** Process the macro file */sys/lib/tmac/tmac.name* before the input *files*.
- raN** Set register *a* (one character name) to *N*.
- i** Read standard input after the input files are exhausted.
- q** Invoke the simultaneous input-output mode of the **rd** request.
- N** Produce output suitable for typewriter-like devices.

**Typesetter devices (not -N) only**

- a** Send a printable textual approximation of the results to the standard output.
- Tdest** Prepare output for typesetter *dest*:
  - Tutf** (The default.) PostScript printers with preprocessing to handle Unicode characters encoded in UTF
  - Tpost** Regular PostScript printers
  - T202** Mergenthaler Linotron 202
- Fdir** Take font information from directory *dir*.

**Typewriter (-N) output only**

- sN** Halt prior to every *N* pages (default *N*=1) to allow paper loading or changing.
- Tname** Prepare output for specified terminal. Known *names* include **utf** for the normal Plan 9 UTF encoding of the Unicode Standard character set (default), **37** for the Teletype model 37, **lp** ('line-printer') for any terminal without half-line capability, **450** for the DASI-450 (Diablo Hyterm), and **think** (HP ThinkJet).
- e** Produce equally-spaced words in adjusted lines, using full terminal resolution.
- h** Use output tabs during horizontal spacing to speed output and reduce output character count. Tab settings are assumed to be every 8 nominal character widths.

**FILES**

- /tmp/trtmp\***  
temporary file
- /tmac/tmac.\***  
standard macro files
- /troff/term/\***  
terminal driving tables for *nroff*
- /troff/font/\***  
font width tables for *troff*

**SOURCE**

**/src/cmd/troff**

**SEE ALSO**

*lpr(1)*, *proof(1)*, *tr2post(1)*, *eqn(1)*, *tbl(1)*, *pic(1)*, *grap(1)*, *doctype(1)*, *ms(7)*, *image(7)*, *tex(1)*, *deroff(1)*

J. F. Ossanna and B. W. Kernighan, “Troff User’s Manual”

B. W. Kernighan, “A TROFF Tutorial”, *Unix Research System Programmer’s Manual*, Tenth Edition, Volume 2.