

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 Graphic Systems C/ A/ T phototypesetter; *nroff* for typewriter-like devices. Their capabilities are described in the *Nroff/Troff user's manual*.

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, which may appear in any order so long as they appear before the files, are:

- **olist** Print only pages whose page numbers appear in the comma-separated *list* of numbers and ranges. A range *N-M* means pages *N* through *M*; an initial *-N* means from the beginning to page *N*; and a final *N-* means from *N* to the end.
- **nN** Number first generated page *N*.
- **sN** Stop every *N* pages. *Nroff* will halt prior to every *N* pages (default *N*= 1) to allow paper loading or changing, and will resume upon receipt of a newline. *Troff* will stop the phototypesetter every *N* pages, produce a trailer to allow changing cassettes, and resume when the typesetter's start button is pressed.
- **mname** Prepend the macro file */usr/lib/tmac/tmac.name* to the input *files*.
- **raN** Set register *a* (one-character) to *N*.
- **i** Read standard input after the input files are exhausted.
- **q** Invoke the simultaneous input-output mode of the **rd** request.

Nroff only

- **Tname** Prepare output for specified terminal. Known *names* are **37** for the (default) Tele-type Corporation Model 37 terminal, **tn300** for the GE TermiNet 300 (or any terminal without half-line capability), **300S** for the DASI-300S, **300** for the DASI-300, and **450** for the DASI-450 (Diablo Hyterm).
- **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.

Troff only

- **t** Direct output to the standard output instead of the phototypesetter.
- **f** Refrain from feeding out paper and stopping phototypesetter at the end of the run.
- **w** Wait until phototypesetter is available, if currently busy.
- **b** Report whether the phototypesetter is busy or available. No text processing is done.
- **a** Send a printable ASCII approximation of the results to the standard output.
- **pN** Print all characters in point size *N* while retaining all prescribed spacings and motions, to reduce phototypesetter elapsed time.
- **g** Prepare output for a GCOS phototypesetter and direct it to the standard output (see *gcat(1)*).

If the file */usr/adm/tracct* is writable, *troff* keeps phototypesetter accounting records there. The integrity of that file may be secured by making *troff* a 'set user-id' program.

FILES

/usr/lib/suftab suffix hyphenation tables
/tmp/ta* temporary file
/usr/lib/tmac/tmac.* standard macro files
/usr/lib/term/* terminal driving tables for *nroff*
/usr/lib/font/* font width tables for *troff*
/dev/cat phototypesetter
/usr/adm/tracct accounting statistics for /dev/cat

SEE ALSO

J. F. Ossanna, *Nroff/Troff user's manual*
B. W. Kernighan, *A TROFF Tutorial*
eqn(1), tbl(1)
col(1), tk(1) (*nroff* only)
tc(1), gcat(1) (*troff* only)

