

NAME

roff – format text

SYNOPSIS

roff [*+n*] [*-n*] [*-s*] [*-h*] file ...

DESCRIPTION

Roff formats text according to control lines embedded in the text in the given files. Encountering a nonexistent file terminates printing. Incoming interconsole messages are turned off during printing. The optional flag arguments mean:

- +n* Start printing at the first page with number *n*.
- n* Stop printing at the first page numbered higher than *n*.
- s* Stop before each page (including the first) to allow paper manipulation; resume on receipt of an interrupt signal.
- h* Insert tabs in the output stream to replace spaces whenever appropriate.

Input consists of intermixed *text lines*, which contain information to be formatted, and *request lines*, which contain instructions about how to format it. Request lines begin with a distinguished *control character*, normally a period.

Output lines may be *filled* as nearly as possible with words without regard to input lineation. Line *breaks* may be caused at specified places by certain commands, or by the appearance of an empty input line or an input line beginning with a space.

The capabilities of *roff* are specified in the attached Request Summary. Numerical values are denoted there by *n* or *+n*, titles by *t*, and single characters by *c*. Numbers denoted *+n* may be signed *+* or *-*, in which case they signify relative changes to a quantity, otherwise they signify an absolute resetting. Missing *n* fields are ordinarily taken to be 1, missing *t* fields to be empty, and *c* fields to shut off the appropriate special interpretation.

Running titles usually appear at top and bottom of every page. They are set by requests like

.he 'part1'part2'part3'

Part1 is left justified, part2 is centered, and part3 is right justified on the page. Any % sign in a title is replaced by the current page number. Any nonblank may serve as a quote.

ASCII tab characters are replaced in the input by a *replacement character*, normally a space, according to the column settings given by a .ta command. (See .tr for how to convert this character on output.)

Automatic hyphenation of filled output is done under control of .hy. When a word contains a designated *hyphenation character*, that character disappears from the output and hyphens can be introduced into the word at the marked places only.

FILES

/usr/lib/suftab	suffix hyphenation tables
/tmp/rtm?	temporary

SEE ALSO

nroff(I), troff(I)

BUGS

Roff is the simplest of the run-off programs, but is utterly frozen and quite obsolescent.

REQUEST SUMMARY

<i>Request</i>	<i>Break</i>	<i>Initial</i>	<i>Meaning</i>
the current line is stopped.			

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.ti 0 .li .ce n      yes      -      Center the next n input lines, without filling. .ti 0 .li
.de xx              no      -      Define parameterless macro to be
invoked by request 'xx' (definition ends on line beginning '..'). .ti 0 .li
.ds                yes      no      Double space; same as '.ls 2'. .ti 0
.li .ef t          no      t=```` Even foot title becomes t. .ti 0
.li .eh t          no      t=```` Even head title becomes t. .ti 0
.li .fi            yes      yes     Begin filling output lines. .ti 0 .li
.fo                no      t=```` All foot titles are t. .ti 0 .li
.hc c              no      none     Hyphenation character becomes
'c'. .ti 0 .li .he t      no      t=```` All head titles are t. .ti
0 .li .hx          no      -      Title lines are suppressed. .ti 0
.li .hy n          no      n=1     Hyphenation is done, if n=1; and
is not done, if n=0. .ti 0 .li .ig      no      -      Ignore
input lines through a line beginning with '..'. .ti 0 .li
.in +n             yes      -      Indent n spaces from left margin.
.ti 0 .li .ix +n      no      -      Same as '.in' but without
break. .ti 0 .li .li n      no      -      Literal, treat next n
lines as text. .ti 0 .li .ll +n      no      n=65     Line length
including indent is n characters. .ti 0 .li
.ls +n             yes      n=1     Line spacing set to n lines per
output line. .ti 0 .li .m1 n      no      n=2       Put n blank
lines between the top of page and head title. .ti 0 .li
.m2 n              no      n=2     n blank lines put between head title
and beginning of text on page. .ti 0 .li
.m3 n              no      n=1     n blank lines put between end of
text and foot title. .ti 0 .li .m4 n      no      n=3     n blank
lines put between the foot title and the bottom of page. .ti 0 .li
.na                yes      no      Stop adjusting the right margin. .ti
0 .li .ne n          no      -      Begin new page, if n output
lines cannot fit on present page. .ti 0 .li
.nn +n             no      -      The next n output lines are not
numbered. .ti 0 .li .n1          no      no      Add 5 to page
offset; number lines in margin from 1 on each page. .ti 0 .li
.n2 n              no      no      Add 5 to page offset; number lines
from n; stop if n=0. .ti 0 .li .ni +n      no      n=0     Line
numbers are indented n. .ti 0 .li
.nf                yes      no      Stop filling output lines. .ti 0 .li
.nx filename      -      Change to input file 'filename'. .ti 0 .li
.of t              no      t=```` Odd foot title becomes t. .ti 0 .li
.oh t              no      t=```` Odd head title becomes t. .ti 0 .li
.pa +n             yes      n=1     Same as '.bp'. .ti 0 .li
.pl +n             no      n=66     Total paper length taken to be n
lines. .ti 0 .li .po +n      no      n=0     Page offset. All lines
are preceded by n spaces. .ti 0 .li
.ro                no      arabic   Roman page numbers. .ti 0 .li
.sk n              no      -      Produce n blank pages starting next
page. .ti 0 .li .sp n          yes      -      Insert block of n
blank lines, except at top of page. .ti 0 .li
.ss                yes      yes     Single space output lines,
equivalent to '.ls 1'. .ti 0 .li
.ta n n..          -      Pseudotab settings. Initial tab
settings are columns 9 17 25 ... .ti 0 .li
.tc c              no      space   Tab replacement character becomes

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'c'. .ev 1 .tl @@- % -@@ .ev .ev 1 .if t .}C .tl @ROFF(I)@PWB/UNIX

5/31/77@ROFF(I)@ .ev .ti 0 .li
.ti +n yes - Temporarily indent next output line
n spaces. .ti0 .li .tr cdef.. no - Translate c into d,
e into f, etc. .ti0 .li .ul n no - Underline the
letters and numbers in the next n input lines. .br .tr .wh -1p }C

.ev 1 .tl @@- % -@@ .ev .ev 1 .if t .}C .tl @ROFF(I)@PWB/UNIX