

**NAME**

*nroff* – use *groff* to format documents for TTY devices

**SYNOPSIS**

**nroff** [**-CchipStUv**] [**-dcs**] [**-Mdir**] [**-mname**] [**-nnum**] [**-olist**] [**-rcn**] [**-Tname**] [**-Wwarning**]  
 [**-wwarning**] [*file* ...]

**nroff** **—help**

**nroff** **-v**

**nroff** **—version**

**DESCRIPTION**

*nroff* formats documents written in the *roff*(7) language for typewriter-like devices such as terminal emulators.

GNU *nroff* emulates the traditional Unix *nroff* command using *groff*(1). *nroff* generates output via *grotty*(1), *groff*'s TTY output device, which needs to know the character encoding scheme used by the terminal. Consequently, acceptable arguments to the **-T** option are **ascii**, **latin1**, **utf8**, and **cp1047**; any others are ignored. If neither the *GROFF\_TYPESETTER* environment variable nor the **-T** command-line option (which overrides the environment variable) specifies a (valid) device, *nroff* consults the locale to select an appropriate output device. It first tries the *locale*(1) program, then checks several locale-related environment variables; see “ENVIRONMENT”, below. If all of the foregoing fail, **-Tascii** is implied.

Whitespace is not permitted between an option and its argument. The **-h** and **-c** options are equivalent to *grotty*'s options **-h** (using tabs in the output) and **-c** (using the old output scheme instead of SGR escape sequences). The **-d**, **-C**, **-i**, **-M**, **-m**, **-n**, **-o**, **-r**, **-w**, and **-W** options have the effect described in *troff*(1). In addition, *nroff* ignores **-e**, **-q**, and **-s** (which are not implemented in *troff*). The options **-p** (pic), **-t** (tbl), **-S** (safer), and **-U** (unsafe) are passed to *groff*. **-v** and **—version** show version information, while **—help** displays a usage message; all exit afterward.

**ENVIRONMENT**

*GROFF\_TYPESETTER*

specifies the default output device for *groff*.

*GROFF\_BIN\_PATH*

is a colon-separated list of directories in which to search for the *groff* executable before searching in *PATH*. If unset, */usr/bin* is used.

*LC\_ALL*

*LC\_CTYPE*

*LANG*

*LESSCHARSET*

are pattern-matched in this order for standard character encodings supported by *groff* in the event no **-T** option is given and *GROFF\_TYPESETTER* is unset.

**NOTES**

Character definitions in the file */usr/share/groff/1.22.4/tmac/tty-char.tmac* are loaded to replace unrepresentable glyphs.

**SEE ALSO**

*groff*(1), *troff*(1), *grotty*(1), *locale*(1), *roff*(7)