

**NAME**

**rletopnm** – convert a Utah Raster Tools RLE image file into a PNM image file.

**SYNOPSIS**

**rletopnm** [--alphaout={*alpha-filename*,-}] [--headerdump|-h] [--verbose|-v] [--plain|-p] [*rlefile*|-]

All options may be abbreviated to their minimum unique abbreviation and options and arguments may be in any order.

**DESCRIPTION**

This program converts Utah Raster Toolkit RLE image files into PNM image files. **rletopnm** handles four types of RLE files: Grayscale (8 bit data, no color map), Pseudocolor (8 bit data with a color map), Truecolor (24 bit data with color map), and Directcolor (24 bit data, no color map). **rletopnm** generates a PPM file for all these cases except for the Grayscale file, for which **rletopnm** generates a PGM file.

*rlefile* is the RLE input file. If it is absent or -, the input comes from Standard Input.

**OPTIONS**

**--alphaout=***alpha-filename*

**rletopnm** creates a PGM (portable graymap) file containing the alpha channel values in the input image. If the input image doesn't contain an alpha channel, the *alpha-filename* file contains all zero (transparent) alpha values. If you don't specify **--alphaout**, **rletopnm** does not generate an alpha file, and if the input image has an alpha channel, **rletopnm** simply discards it.

If you specify - as the filename, **rletopnm** writes the alpha output to Standard Output and discards the image.

See **pnmcomp**(1) for one way to use the alpha output file.

**--verbose**

This option causes **rletopnm** to operate in verbose mode. It prints messages about what it's doing, including the contents of the RLE image header, to Standard Error.

**--headerdump**

This option causes **rletopnm** to operate in header dump mode. It prints the contents of the RLE image header to Standard Error, but does not produce any other output.

**--plain** This option causes the PNM output file to be in the "plain" (text) format, instead of the default "raw" (binary) format. See **ppm**(5) and **pgm**(5) for details on the difference.

**EXAMPLES**

**rletopnm --verbose lenna.rle >lenna.ppm**

While running in verbose mode, convert lenna.rle to PPM format and store the resulting image as lenna.ppm.

**rletopnm --headerdump file.rle**

Dump the header information of the RLE file called file.rle.

**rletopnm --alphaout=dartalpha.pgm dart.rle >dart.ppm**

Convert RLE file dart.rle to PPM format as dart.ppm. Store the alpha channel of dart.rle as dartalpha.pgm (if dart.rle doesn't have an alpha channel, store a fully transparent alpha mask as dartalpha.pgm).

**SEE ALSO**

**pnmtorle**(1), **pnmconvol**(1), **pnm**(5), **ppm**(5), **pgm**(5), **urt**(1), **RLE**(5)

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Modifications by Eric Haines to support raw and plain formats.

Modifications by Bryan Henderson to create alpha files and use mnemonic options.