Pgmramp User Manual

pgmramp

Updated: 04 June 2002
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NAME

pgmramp - generate a grayscale ramp

SYNOPSIS

pgmramp -lr|-tb|-rectangle|-ellipse -maxval=*maxval width height*

All options can be abbreviated to their shortest unique prefix. You may use two hyphens instead of one to designate an option. You may use either white space or an equals sign between an option name and its value.

DESCRIPTION

This program is part of Netpbm.

Generates a graymap of the specified size containing a black-to-white ramp. These ramps are useful for multiplying with other images, using **pamarith**.

The ramp is linear in brightness, not intensity. I.e. the gamma-corrected sample values in the PGM rise linearly with distance from the corner of the image. If you want a ramp that is linear in light intensity, use **pnmgamma** with **pgmramp**.

To generate a simple ramp of all the values from 0 to maxval, and not necessarily a graphic image, use **pamseq**.

ppmrainbow does something similar to what **pgmramp** does, but for color. The image fades between two colors of your choice.

OPTIONS

You must specify exactly one of the ramp type options.

-lr A left to right ramp.

-tb A top to bottom ramp.

-rectangle An outside-in rectangular ramp. It is black around the edges and white in the center.

-ellipse An outside-in elliptical ramp. It is black around the edge and white in the center.

-maxval=*maxval*The maxval for the generated image. Default is 255.

This option did not exist before June 2002. Before, the maxval was always 255.

SEE ALSO

pamarith, **pnmgamma**, **pamseq**, **ppmrainbow**, **pamgradient**, pgm

AUTHOR

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