

**NAME**

`pextrem` - find minimum and maximum values in RADIANCE picture

**SYNOPSIS**

`pextrem` [ `-o` ] [ *picture* ]

**DESCRIPTION**

*Pextrem* locates the minimum and maximum values for the input *picture*, and prints their pixel locations and color values. The first line printed contains the x and y pixel location (x measured from the left margin, y measured from the bottom), followed by the red, green and blue values. The second line printed contains the same information for the maximum value.

The `-o` option prints the original (radiance) values, undoing any exposure or color correction done on the picture.

If no input *picture* is given, the standard input is read.

**AUTHOR**

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**BUGS**

The luminance value is used for comparison of pixels, although in certain anomolous cases (ie. highly saturated colors) it is possible that *pextrem* will not pick the absolute minimum or maximum luminance value. This is because a fast integer-space comparison is used. A more reliable floating-point comparison would be slower by an order of magnitude.

**SEE ALSO**

`falsecolor(1)`, `getinfo(1)`, `pcomb(1)`, `pcompos(1)`, `pextrem(1)`, `pfilt(1)`, `pflip(1)`, `protate(1)`, `psign(1)`, `rpict(1)`, `ximage(1)`