NAME
phisto - compute a luminance histogram from one or more RADIANCE pictures

SYNOPSIS
phisto picture ..

DESCRIPTION
Phisto is a script that calls pflit(1), rcalc(1) and histo(1) to compute a histogram of log luminance values
for foveal samples in the given picture files. A foveal sample covers approximately 1 degree, though this
script does not use this exact area. The minimum and maximum values are determined, and 100 histogram
bins are uniformly divided between these extrema. Foveal samples less than 1e-7 candelas/sq.meter are
silently ignored. If no picture is named on the command line, the standard input is read.

The primary function of this script is to precompute histograms for the pcond(1) program, which may then
be used to compute multiple, identical exposures. This is especially useful for animations and image com-
parisons.

EXAMPLE
To compute two identical tone mappings for image1.hdr and image2.hdr:
   phisto image1.hdr image2.hdr > both.histo
   pcond -I -h image1.hdr < both.histo > image1m.hdr
   pcond -I -h image2.hdr < both.histo > image2m.hdr

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SEE ALSO
histo(1), pcond(1), pflit(1), pvalue(1), rcalc(1), total(1)