
Subject: linear-space image converted to log-space

Posted by [jkj](#) on Sat, 23 Feb 2008 22:45:07 GMT

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Hi,

I have a need to reproduce an image like this:

http://diamondhead.org/linear_logspace.png

beginning with data like this:

http://diamondhead.org/linear_linearspace.png

Using logarithmic scaling, the first image (produced by a custom graphics package) expands lower frequency components while contracting the higher frequency components. To do this in object graphics, I believe I will have to reconstruct the image data so that the lower frequency [the bottom] information is replicated according to a log scaling scheme.

I can think of some [tortured] ways to do this but keep thinking there must be some sophisticated way to handle this in IDL. Any thoughts would be appreciated.

Thanks,
-Kevin
