Subject: Re: linear-space image converted to log-space
Posted by Vince Hradil on Sat, 23 Feb 2008 23:32:02 GMT
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On Feb 23, 4:45 pm, jkj <ke...@vexona.com> wrote:
> 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

Is it not just image = alog10(image), with the proper use of finite()
and where() to trap errors?