Posted by David Fanning on Mon, 08 Sep 2008 13:08:20 GMT
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maffie writes:

> I am trying to fit my data vector to a logarithmic colorbar. For the
> latter, I use the code suggested by David on the following link:
> http://www.dfanning.com/graphics_tips/logcb.html.
>
> Now, I have for example a vector X = [4.0, 0.04, 65.88, 3.62, 2.75,
> 7.04, 1.12,1.65]
> whereby my color bar ranges logarithmically from 0.001 to 100. So the
> colors for each of this vector point element fit my logarithmic color
> bar. I guess I should do something with the scale_vector function, or
> bytscl, but I can't seem to get it right??
>
> I need to create a vector which contains a number (corresponding to an
> element of vector X) that I can use to extract the correct number
> referring to a color from the color bar. For each element, a box is
> filled with a specific color (here for I am using POLYFILL, so my
> image is not a continuum, but a chain of boxes, each with it's own
> color. Now, I need to get the color right following my logarithmic
> scale bar....
>
> I hope this is clear and somebody can help me out?

I think you want this:

```
IDL> x = [4.0, 0.04, 65.88, 3.62, 2.75, 7.04, 1.12, 1.65]
IDL> Print, BytScl(x, MIN=0.001, MAX=100)
   10   0 168  9  7  18  2  4
```

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")