
Subject: fit image to logarithmic color bar

Posted by [matthias.demuzere](#) on Mon, 08 Sep 2008 10:21:42 GMT

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Dear all,

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 `bytsc1`, 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?

Cheers,

Matthias
