
Subject: Re: color value interpolation from colorbar
Posted by [David Fanning](#) on Thu, 04 Dec 2008 17:38:37 GMT
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j.coenia@gmail.com writes:

- > I have a color-coded medical image.
- >
- > There is a colorbar on the image, for example a red-to-yellow gradient
- > valued from 1 to 100.
- >
- > There is **not** a one-to-one correspondence between the colors in the
- > colorbar and the colors in the image. There are many more
- > intermediate reds, oranges, and yellows in the image than in the
- > colorbar.
- >
- > What is the correct way to interpolate gradient values to all the
- > unknown image colors from the discrete colors/gradients defined in the
- > colorbar?

First of all, if there are colors in the image that are not in the colorbar, then the color bar is fairly useless to you. My guess is that this has been coded incorrectly. (There can be colors in the colorbar that are not in the image, of course, but not the other way around.)

I **suppose** a color bar could be drawn with discrete colors from the image, so that the user could be encouraged to interpolate values between colors, but this would be a lousy way to run a railroad and the programmer should probably have his IEPA card revoked.

- > (The documentation for INTERPOL and INTERPOLATE has not helped me so
- > far.)

No, I can imagine not. :-)

Cheers,

David

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David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
