
Subject: Image in color scale and gray level scale.
Posted by [d.poreh](#) on Tue, 03 Mar 2015 11:26:40 GMT
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Folks,
Hi,

I have an image of dielectric property in size of 280*166 pixels. The data is in the range: -2.0 to 40.0. I need to plot this image in color scale and gray level scale with a legend that shows the color table of my data. I googled this and I could not find anything useful.

Any kind of help is very appreciated,
Cheers,
Dave
P.S. i am using IDL 8.0

Subject: Re: Image in color scale and gray level scale.
Posted by [Helder Marchetto](#) on Tue, 03 Mar 2015 11:41:35 GMT
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On Tuesday, March 3, 2015 at 12:26:45 PM UTC+1, dave poreh wrote:

> Folks,
> Hi,
> I have an image of dielectric property in size of 280*166 pixels. The data is in the range: -2.0 to 40.0. I need to plot this image in color scale and gray level scale with a legend that shows the color table of my data. I googled this and I could not find anything useful.
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Did you check here:
<http://www.idlcoyote.com/gallery/index.html>

Depending on what you exactly want, there are lots of good examples: from the Surface Plots to the Penguin Colony Plot. Be sure to look for "cgColorbar" and http://www.idlcoyote.com/color_tips/colorbar.html. Go through the code and find out how David did it. I'm sure that fact that the images are 280x166 pixels(^2), that it is about dielectrip properties and that the range is between -2.0 and 40.0 are not going to make a big difference. What you will have to decide is: discrete or continuous coloring? What color table for the colored image?

In IDL >8.0 you also have the function graphics function `colorbar()`:
<http://www.exelisvis.com/docs/COLORBAR.html>

Good luck!
Helder

Subject: Re: Image in color scale and gray level scale.
Posted by [Yngvar Larsen](#) on Tue, 03 Mar 2015 11:45:46 GMT
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On Tuesday, 3 March 2015 12:26:45 UTC+1, dave poreh wrote:

- > Folks,
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<http://www.exelisvis.com/docs/image.html>
<http://www.exelisvis.com/docs/COLORBAR.html>

Or use the CG library if you have that installed.

--
Yngvar

Subject: Re: Image in color scale and gray level scale.
Posted by [d.poreh](#) on Tue, 03 Mar 2015 11:51:26 GMT
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On Tuesday, March 3, 2015 at 3:15:48 PM UTC+3:30, Yngvar Larsen wrote:

- > On Tuesday, 3 March 2015 12:26:45 UTC+1, dave poreh wrote:
- >> Folks,
- >> Hi,
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- > <http://www.exelisvis.com/docs/image.html>
- > <http://www.exelisvis.com/docs/COLORBAR.html>
- >
- > Or use the CG library if you have that installed.
- >
- > --
- > Yngvar

thanks
I just want to plot it in discrete color/gray scale format.
Cheers,
D.

Subject: Re: Image in color scale and gray level scale.
Posted by [d.poreh](#) on Tue, 03 Mar 2015 12:33:00 GMT
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On Tuesday, March 3, 2015 at 12:51:29 PM UTC+1, dave poreh wrote:
> On Tuesday, March 3, 2015 at 3:15:48 PM UTC+3:30, Yngvar Larsen wrote:
>> On Tuesday, 3 March 2015 12:26:45 UTC+1, dave poreh wrote:
>>> Folks,
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>> Or use the CG library if you have that installed.
>>
>> --
>> Yngvar
>
> thanks
> I just want to plot it in discrete color/gray scale format.
> Cheers,
> D.
Thanks guys. It was very useful :)
Cheers,
Dave
