
Subject: Re: IDL v7.0 "native" colourbar procedure?
Posted by [Jim Pendleton](#) on Mon, 30 Apr 2012 16:36:37 GMT
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On Monday, April 30, 2012 10:32:48 AM UTC-6, Paul van Delst wrote:

> Hello,
>
> I have a colleague who is using a machine with a bog-standard IDL v7.0 install. I'm putting
together a small script to
> allow him to contour some data and I'm wondering: is there is a pre-function-graphics colourbar
procedure in IDL?
>
> I can't find anything non-function-graphics-y in my version of IDL help (which is for v8.x) and
there is no extra
> user-contrib stuff on the machine in question (like I said, a bog-standard install with no coyote
graphics, esrg, etc
> colourbar stuff).
>
> Thanks for any info.
>
> cheers,
>
> paulv
>
> p.s. And I did search using the US spelling for colour. :o)

The IDLgrColorbar class has been available since 5.1.

Jim P

Subject: Re: IDL v7.0 "native" colourbar procedure?
Posted by [Paul Van Delst\[1\]](#) on Mon, 30 Apr 2012 16:59:35 GMT
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Thanks! But, phewph, I was looking for something direct-graphics-y (or "traditional" to use DF parlance :o)

I should've also added the caveat that the colleague in question also stated he doesn't want to have to learn how to program in IDL, just to plot the data (he was quite clear about that :o). I would direct him to the "Using Colorbar Objects" help page, but even I think the example code there is way over the top.... :o), i.e.

```
; Create a window, view, and model:  
mywindow = OBJ_NEW('IDLgrWindow')  
myview = OBJ_NEW('IDLgrView')  
mymodel = OBJ_NEW('IDLgrModel')
```

```

myview->Add, mymodel
; Create the colorbar. Make the bar one tenth of
; the window size horizontally and four tenths of
; the window size vertically. Show the axis values (using the
; default axis annotations) and draw an outline around the bar.
mytitle = OBJ_NEW('IDLgrText', 'My Colorbar')
barDims = [0.1, 0.4]
redValues = BINDGEN(256)
greenValues = redValues
blueValues = REVERSE(redValues)
mycolorbar = OBJ_NEW('IDLgrColorbar', redValues, $
    greenValues, blueValues, TITLE=mytitle, $
    DIMENSIONS=barDims, /SHOW_AXIS, /SHOW_OUTLINE)
mymodel->Add, mycolorbar
; Center the colorbar in the window.
; Note that you must use the ComputeDimensions method to
; get the dimensions of the colorbar.
barPlusTextDims = mycolorbar->ComputeDimensions(mywindow)
mymodel->Translate, -barDims[0]+(barPlusTextDims[0]/2.), $
    -barDims[1]+(barPlusTextDims[1]/2.), 0
; Draw the colorbar:
mywindow->Draw, myview

```

I mean, we're all scientists here!

Can one mix regular direct graphics contour plots with the IDLgrColorbar? Window? View? Model? Wha...?

No, don't answer that. I'll convince him to download the cg* library.

cheers,

paulv

On 04/30/12 12:36, jimmyleependleguy@gmail.com wrote:

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Subject: Re: IDL v7.0 "native" colourbar procedure?
Posted by [David Fanning](#) on Mon, 30 Apr 2012 17:14:35 GMT
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Paul van Delst writes:

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> user-contrib stuff on the machine in question (like I said, a bog-standard install with no coyote
graphics, esrg, etc
> colourbar stuff).

As far as I know, there has NEVER been a direct graphics
colorbar procedure distributed with IDL. And the function
graphics one distributed with IDL 8.X doesn't work for
most of the things I need a color bar for. Guess they
always figured it was so easy, everyone could just role
their own. ;-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
