
Subject: Multiple color plots, same color bar
Posted by [limiq](#) on Thu, 05 Dec 2013 22:22:48 GMT
[View Forum Message](#) <> [Reply to Message](#)

Dear all,

I was wondering if someone could help me with a problem using one color bar for multiple plots with different ranges of colors. My example bellow produces two panels and one color bar. However the color bar does not match both panels but only the first one (I1 values).

For I1 and I2, I need to do:

100-200=red

201-300=orange

301-400=yellow

401-500=green

501-600=blue

therefore, using a color table from 0 to 600, the second panel should not have any blue color.

I will appreciate any assistance.

Thanks,

Lim

=====

pro mci

X1=[2, 4, 5, 6, 7, 8]

Y1=[20, 40, 45, 30, 10, 5]

I1=[100,200,300,400,500,600]

X2=[3, 4.5, 5.5, 6.5, 7.5, 8.5]

Y2=[22, 25, 30, 33, 20, 8]

I2=[150,175,250,280,290,450]

cgLoadCT, 33, /reverse

nelmspix=n_elements(X1)

colors = cgScaleVector(Findgen(N_Elements(I1)), min(I1), max(I1))

clr = Value_Locate(colors, I1)

clr = Byte(Round(cgScaleVector(clr, 0, 255)))

cgWindow

pos1=[0.1,0.1,0.45,0.75]

pos2=[0.55,0.1,0.9,0.75]

;graph 1

cgPlot, X1, Y1, /Nodata, Xtitle='X', Ytitle='Y', position=pos1,/NoErase,/AddCMD

cgPlotS, X1, Y1, Psym=16,symsize=2,color=clr,/AddCMD

;graph 2

cgplot,X2,Y2, /Nodata, Xtitle='X', Ytitle='Y', position=pos2,/NoErase, /AddCMD

cgPlotS, X2, Y2,Psym=16,symsize=2,color=clr,/AddCMD

;the colorbar

```
cgColorbar, Divisions=5, Format='(I3)', Range=[100,600],/AddCMD , TLOCATION='Top', Title='I'
```

```
End
```

```
=====
```
