
Subject: scatter plot , intensity colors. Help
Posted by [limiq](#) on Fri, 15 Nov 2013 13:06:17 GMT
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Dear all,

I need to do a scatterplot with colored symbols representing the intensity. I am adapting an example I found at http://www.idlcoyote.com/gallery/colored_line_plot.pro I am doing the following:

```
X=[2, 4, 5, 6, 7, 8]
Y=[20, 40, 45, 30, 10, 5]
I=[100,200,300,400,500,600]

;intensity color
colors = cgScaleVector(Findgen(N_Elements(I)), Min(I), Max(I))
clr = Value_Locate(colors, I)
clr = Byte(Round(cgScaleVector(clr, 0, 255)))

cgLoadCT, 33
cgWindow

;the scatterplot
cgPlot, X, Y, /Nodata, /AddCMD
FOR j=0,N_Elements(X)-2 DO cgPlotS, [X[j], X[j+1]], [Y[j], Y[j+1]], $
    Color=clr[j], Psym=16,symsize=2,/AddCMD
FOR j=0,N_Elements(pNPP)-1,2 DO cgPlotS, X[j], Y[j], $
    Color=clr[j], Psym=16,symsize=2, /AddCMD
```

However the output produces a gray scale image.

1. What am I doing wrong?
2. How can I add a color bar associated with the intensity (I)?

I will appreciate any assistance.

Cheers,

Lim
