
Subject: scatter plot , intensity colors. Help
Posted by [limiqt](#) on Fri, 15 Nov 2013 13:06:17 GMT
[View Forum Message](#) <> [Reply to Message](#)

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
