
Subject: Re: scatter plot , intensity colors. Help
Posted by [limiq](#) on Sun, 17 Nov 2013 10:59:42 GMT
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My final code:

Pro sctrplnt

```
X=[2, 4, 5, 6, 7, 8]
Y=[20, 40, 45, 30, 10, 5]
I=[100,200,300,400,500,600]
nelm=n_elements(X)
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,nelms-1 DO cgPlotS, X[j], Y[j],Color=clr[j], Psym=16,symsize=2,/AddCMD
cgColorbar, Divisions=5, Format='(I3)', Range=[100,600], /AddCMD , Title='I'
```

End

On Friday, November 15, 2013 8:06:17 AM UTC-5, Lim wrote:

```
> 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
```
