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Subject: Plotting arrays where data points can have varying colors

Posted by [lachtantau](#) on Thu, 25 Jul 2013 04:06:50 GMT

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Hi guys, first post but I often come here to look for similar topics!

So essentially I want to plot a 1D array for example (to keep things simple)

plot, [1,2,3,4,5], [1,2,3,4,5], psym = 4

but lets just say for arguments sake, I'd like x = 2 and x = 5 to be blue markers, and the rest to be red, is there an easy way to do this other than splitting the original array into smaller arrays and plotting separately with oplot?

I would have thought entering an array of equal size to the x and y values of colors may have worked, but I guess not...

Thanks for the help in advance!

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Subject: Re: Plotting arrays where data points can have varying colors

Posted by [lachtantau](#) on Thu, 25 Jul 2013 04:17:05 GMT

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Don't worry folks, all sorted found the 'plots' procedure which does this!

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Subject: Re: Plotting arrays where data points can have varying colors

Posted by [David Fanning](#) on Thu, 25 Jul 2013 04:20:27 GMT

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Lachlan Tantau writes:

> So essentially I want to plot a 1D array for example (to keep things simple)

> plot, [1,2,3,4,5], [1,2,3,4,5], psym = 4

>

> but lets just say for arguments sake, I'd like x = 2 and x = 5 to be blue markers, and the rest to be red, is there an easy way to do this other than splitting the original array into smaller arrays and plotting separately with oplot?

>

> I would have thought entering an array of equal size to the x and y values of colors may have worked, but I guess not...

x = [1,2,3,4,5]

y = [1,2,3,4,5]

cgPlot, x, y, /NoData

colors = StrArr(5) + 'red'

colors[[2,5]] = 'blue'

```
cgPlots, x, y, PSYM=4, Color=colors, Symsize=2, Thick=2  
END
```

Cheers,

David

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David Fanning, Ph.D.

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

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

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