
Subject: Re: different plotting symbols for different points
Posted by [David Fanning](#) on Wed, 12 Aug 2009 07:49:42 GMT
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maurya writes:

- > Is there any routine that can be used to represent every points in 2D
- > plot by different symbols?
- >
- > Actually, I want to plot two array (say, xarr and yarr) of length 80
- > using different symbols (or numbers 1, 2,...80) so that I can identify
- > every points in 2D. One way is to use xyouts. But it will be more
- > useful if the is any routine.

How about this:

PRO PlotNumbers, x, y

```
IF N_Elements(y) EQ 0 THEN y = RandomU(-3L, 80) * 100
npts = N_Elements(y)
IF N_Elements(x) EQ 0 THEN x = Indgen(npts)
Plot, x, y, BACKGROUND=FSC_Color('ivory'), COLOR=FSC_Color('navy')
OPlot, x, y, COLOR=FSC_Color('ivory'), PSYM=SymCat(15), SYMSIZE=2.0
XYouts, x, y, StrTrim(Sindgen(npts)+1, 2), COLOR=FSC_Color('red'), $
    ALIGN=0.5, CHARSIZE=0.75
```

END

You can find FSC_Color, SymCat, and other programs you need in the Coyote Library.

<http://www.dfanning.com/catalysy/howtoinstall.html>

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: different plotting symbols for different points

Posted by [maurya](#) on Wed, 12 Aug 2009 09:50:45 GMT

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On 12 Aug, 12:49, David Fanning <n...@dfanning.com> wrote:

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> David

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Thanks David!

Subject: Re: different plotting symbols for different points

Posted by [David Fanning](#) on Wed, 12 Aug 2009 16:39:33 GMT

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maurya writes:

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- > every points in 2D. One way is to use xyouts. But it will be more
- > useful if there is any routine.

Oddly enough, I was asked this same question twice yesterday, by different people. Must be a weird convergence of IDL energy in the Universe. Anyway, it was simple enough, I decided to write an article about it. You can find it here:

http://www.dfanning.com/graphics_tips/numlabel.html

Cheers,

David

--

David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
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