
Subject: help with scatter plot-like data

Posted by [clykou](#) on Mon, 17 Jun 2013 14:00:23 GMT

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Hi

I'm really out of my depth here with my minimal knowledge on IDL. Basically I'd like to make a color-coded 2D scatter plot, but I'm not sure how to do it.

Here's the thing. I already have values for my x and y axis and I already know that the positions of the scattered points for my z-axis are just the $\sqrt{x^2+y^2}$. But I'm not sure how to plot them in 2D.

```
I tried a dummy array
dummy=fltarr(3,n_elements(dataz))
dummy[0,*]=dataz
dummy[1,*]=xaxis
dummy[2,*]=yaxis
```

but then I have no idea how to use the plot command to make the scatter plot.

Any help will be very welcome!

Cheers

Subject: Re: help with scatter plot-like data

Posted by [David Fanning](#) on Mon, 17 Jun 2013 14:08:15 GMT

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clykou@gmail.com writes:

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You can find over 50 different kinds of plots, including 2D scatter plots, and the IDL code to produce them, in the Coyote Plot Gallery:

<http://www.idlcoyote.com/gallery/index.html>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: help with scatter plot-like data
Posted by [clykou](#) on Mon, 17 Jun 2013 14:19:59 GMT
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*correction

z-values are at the positions $\sqrt{x^2+y^2}$, and also independent of x,y
