
Subject: Polar Plots?

Posted by [dfinan](#) on Fri, 07 Aug 1998 07:00:00 GMT

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Am I missing something or is there no easy way to do polar plots (with 0-360deg axis) in IDL? All I want to do is to make a phase plot with concentric rings for the radius. I've seen ppi.pro and am attempting to modify, but this is my first experience with polar plots, so it's slow going. Any tips?

Don Finan
dfinan@indiana.edu

Subject: Re: polar plot

Posted by [davidf](#) on Thu, 17 Dec 1998 08:00:00 GMT

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Torsten Bock (bock@sunpool.cs.uni-magdeburg.de) writes:

>> Have you tried:

>>

>> Plot, radii, angles, /Polar

>>

> I did but (I hope I did nothing wrong) I end up with a polar plot in a
> cartesian system (x and y axis), which is not what I expected.
> I was thinking of circles on which I can annotate the radius-value
> and I like to annotate the theta (angle) value around the outer circle.
> and the Intensity is either a color (for contour plot).
> or in 3D the z value (cylindrical coordinate system) ...

Oh, well, then...

You are going to have to use IDL to do (I hate to say this)
some *programming*. :-(

I'd start with the Plot command without axes ([XY]Style=4),
and put your own circles on. (See my web page for some
example code and other links for Circles.) I don't think
it will take you more than about a half hour to come up with
exactly what you want.

Cheers,

David

P.S. As long as your doing it, I'd write it as an object, too.
That way you would see how easy it is to write programs that work

better in particular circumstances than the ones that sometimes come with IDL. :-)

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: polar plot
Posted by [Torsten Bock](#) on Thu, 17 Dec 1998 08:00:00 GMT
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David Fanning schrieb:

> Torsten Bock (bock@sunpool.cs.uni-magdeburg.de) writes:
>
>> I am looking for a routine to display data [radius, theta, intensity]
>> in a polar plot (in a polar coordinate system)
>> not like polar_contour and polar_surface
>> (they display the data in a cartesian system).
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> Have you tried:
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> Cheers,
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> David

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Thanks

Mirko

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Posted by [davidf](#) on Thu, 17 Dec 1998 08:00:00 GMT
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