
Subject: Re: polar_contour with log coordinates

Posted by [David Fanning](#) on Tue, 18 Nov 2014 17:58:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

Andrea Negri writes:

```
>
> Hi, I'm using polar_contour to plot data from a simulation in spherical coordinates.
> I replaced the contour command with cgcontour in polar_contour, so basically an example is
>
> nr = 50; number of radii
> nt = 50 ; number of Thetas
> ; Create a vector of radii:
> r = FINDGEN(nr)/(nr-1)
> ; Create a vector of Thetas:
> theta = !PI * FINDGEN(nt)/(nt-1)
> ; Create some data values to be contoured:
> z = COS(theta*3) # (r-0.5)^2
> ; Create the polar contour plot:
> POLAR_CONTOUR, z, theta,r, /cell_FILL, nlevels=10, /win, aspect=0.5
>
> everything is ok, but I would like to have the radial axis in log, since I have different order of
> magnitudes in the radius of the real data.
> How can I do this?
```

I'd make sure the variable R is greater than zero, and I would set the YLOG keyword.

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.")
