
Subject: polar_contour with log coordinates
Posted by [Andrea\[1\]](#) on Sat, 15 Nov 2014 15:03:50 GMT
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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 and 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 ahve different order of magnitudes in the radius of the real data.
How can I do this?

Subject: Re: polar_contour with log coordinates
Posted by [David Fanning](#) on Tue, 18 Nov 2014 17:58:26 GMT
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Andrea Negri writes:

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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.")
