
Subject: Re: Another contour problem

Posted by [Haje Korth](#) on Fri, 18 Jun 2004 16:50:56 GMT

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If you can replace sph_scat with griddata, you should give that a try.

Haje

"Jeff Patrick" <jeff.patrick@computer.org> wrote in message
news:b368fde2.0406180703.2a86ddb2@posting.google.com...

> Hello all,

>

> The section of code that follows appears to work fine right up until
> it gets to the contour command where the program hangs. No errors are
> given and IDL must be shutdown from task manager and restarted. The
> only thing I've changed from some working code I have is the SPH_SCAT
> commands used to be calls to a custom krigging function. Any ideas
> what may be causing this to happen?

>

> Any suggestions are welcome,

>

> Jeff

>

> arrX = SPH_SCAT(arrLon, arrLat, arrXValue, BOUNDS=[1.,0.,360., 89.],
> GS=[2.,1.], BOUT=bout)

>

> arrY = SPH_SCAT(arrLon, arrLat, arrYValue, BOUNDS=[1.,0.,360., 89.],
> GS=[2.,1.], BOUT=bout)

>

> FOR j = 0.0, 89.0, 1.0 DO BEGIN

>

> FOR i = 0.0, 360.0, 2.0 DO BEGIN

>

> pro_ConvMagGeo, 89.0 - j, i - dblShift + 1, geo_lat, geo_lon

>

> IF j EQ 0.0 AND i EQ 0.0 THEN BEGIN

>

> arrGLat = [geo_lat]

>

> arrGLon = [geo_lon]

>

> ENDIF ELSE BEGIN

>

> arrGLat = [arrGLat, geo_lat]

>

> arrGLon = [arrGLon, geo_lon]

```
>
>     ENDELSE
>
>     ENDFOR
>
> ENDFOR
>
> sngH = SQRT(((arrX)^2) + ((arrY)^2))
>
> MAP_SET, intLat, intLon, 0, /SATELLITE, SCALE=(intZoom * 1E6),
> /ISOTROPIC, /HORIZON, E_HORIZON={FILL:0, COLOR:'000000'xL},
> XMARGIN=[0,17], YMARGIN=[0,0], /NOERASE
>
> hexTextCol = 'CCCCCC'xL ; gray text
>
> CONTOUR, sngH, arrGLon, arrGLat, /IRREGULAR, /ISOTROPIC, /CLOSED,
> /CELL_FILL, /OVERPLOT, LEVELS=[ 20, 40, 60, 80, 100, 120, 140, 160,
> 180, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, 420, 440,
> 460, 480, 500, 520, 540, 560, 580, 600, 620, 640, 660, 680, 700, 720,
> 740, 760, 780, 800, 820, 840, 860, 880, 900, 920, 940, 960, 980, 1000]
```
