

---

Subject: Re: Another contour problem

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

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

---

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]
```

---

---

Subject: Re: Another contour problem

Posted by [jeff.patrick](#) on Mon, 21 Jun 2004 13:03:29 GMT

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

---

"Haje Korth" <[haje.korth@jhuapl.edu](mailto:haje.korth@jhuapl.edu)> wrote in message  
news:<[cav6hg\\$256\\$1@aplcore.jhuapl.edu](mailto:cav6hg$256$1@aplcore.jhuapl.edu)>...

```
> If you can replace sph_scatter with griddata, you should give that a try.
>
> Haje
```

I don't see griddata in my documentation (I'm running IDL 5.3) what  
version is it in?

Thanks,

Jeff

---

---

Subject: Re: Another contour problem

Posted by [Mark Hadfield](#) on Mon, 21 Jun 2004 22:02:16 GMT

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

---

Jeff Patrick wrote:

```
> I don't see griddata in my documentation (I'm running IDL 5.3) what
```

> version is it in?

5.5

--

Mark Hadfield        "Ka puwaha te tai nei, Hoesa tatou"

m.hadfield@niwa.co.nz

National Institute for Water and Atmospheric Research (NIWA)

---