
Subject: Re: about contour

Posted by [Chris Lee](#) on Wed, 29 Oct 2003 09:22:26 GMT

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In article <ecccc805.0310282257.1de74ee3@posting.google.com>, "Park Kyung Won" <parkkw@mail1.pknu.ac.kr> wrote:

> Hello
> I want to draw contour.
> Array must be 2 dimension.
> I have ground rainfall data and longitude,latitude data about weather
> station. This data is all 1 dimension data.
> rainfall(300)
> longitude(300)
> latitude(300)
> How can I draw using contour?

Hi,

I'm guessing you want to do a spherical triangulation (instead of a 'regular' triangulation).

Use SPH_SCAT...e.g.

```
r = SPH_SCAT(longitude, latitude, rainfall, BOUNDS=[0, -90, 360, 90], $
GS=[10,5], gout=gout,bout=bout)
```

```
;gout and bout contain the information about the new regular grid,
; stored in r.
;GS is the grid resolution in degrees
```

```
x=findgen((gout[0]+bout[2]-bout[0])/gout[0])*gout[0]+bout[0]
y=findgen((gout[1]+bout[3]-bout[1])/gout[1])*gout[1]+bout[1]
contour, r, x,y
```

```
.....
;.....
```

If you do want a non-spherical triangulation, use TRIANGULATE and TRIGRID, the help file can tell you how to use them much better than I can.

Chris.
