

---

Subject: Re: IDL triangulate-reg

Posted by [Jeremy Bailin](#) on Mon, 19 Dec 2011 18:16:32 GMT

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

---

On 12/19/11 4:52 AM, shambhu wrote:

```
> Hi, i am trying to findout nearest point using griddata.  
>  
> tr = GRIDDATA(lon, lat, f, /KRIGING, /DEGREES, START = 0, /SPHERE, $  
>      DELTA = delta, DIMENSION = dims)  
>  
> ;QHULL, lon, m, tr, /DELAUNAY, SPHERE = s  
> z = GRIDDATA(lon, lat, f, /DEGREES, START = 0, DELTA = delta, $  
>      DIMENSION = dims, /SPHERE, /NATURAL_NEIGHBOR, TRIANGLES = tr)  
>  
> ;MAP_SET, /MOLLWEIDE, /ISOTROPIC, /HORIZON, /GRID, /ADVANCE, $  
> ; CHARSIZE = 3, TITLE = 'Sphere: Natural Neighbor'  
>  
> CONTOUR, t, lon_grid, lat_grid, /OVERPLOT, NLEVELS = 5, /FOLLOW  
>  
> I got following error.  
>  
> IDL> ex_grid1  
>      1      144      4      144  
>      1      73      4      73  
>      1      73      4      73  
> % GRIDDATA: Value of Triangle has duplicate indices is out of allowed  
> range.  
> % Execution halted at: EX_GRID1      44 /home2/shambhu/  
> ex_grid1.pro  
>  
> Why this error?
```

TRIANGLES takes the output of TRIANGULATE, not the output of GRIDDATA.

-Jeremy.

---