
Subject: Re: IDL triangulate-reg

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

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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.
