
Subject: IDI triangulate-reg

Posted by [shambhu](#) on Mon, 19 Dec 2011 09:52:41 GMT

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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?
