Subject: Re: speher keyword of qhull
Posted by Andy Heaps on Thu, 09 Nov 2006 15:23:22 GMT
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ITT-Vis help desk have resolved the query:

The SPHERE keyword to QHULL will return the Delaunay triangulation of the points which lie on the surface of a sphere. Consider the following example:

```
;*************************************************
 > pro test
 >
 >    seed = 1
 >    n = 50
 >
 >    lon = randomu(seed, n) * 360. - 180.
 >    lat = randomu(seed, n) * 180. - 90.
 >    f = sin(lon * !dtor)^2 * cos(lat * !dtor)
 >
 >    qhull, lon, lat, qtr, $
 >       SPHERE = q_sphere, /DELAUNAY
 >
 >    qpolys = lonarr(4,(size(qtr, /DIM))[1])
 >    qpolys[0,*] = 3
 >    qpolys[1:3,*] = qtr
 >
 >    q_poly = obj_new('idlgrpolygon', $
 >       q_sphere, COLOR = [0,255,0], $
 >       POLYGONS = qpolys, STYLE = 2)
 >
 >    xobjview, q_poly, XSIZE = 400, YSIZE = 400, $
 >       XOFF = 410, YOFF = 450, $
 >       TITLE = 'QHULL triangulation'
 >
 > end
 > ;*************************************************
```