
Subject: Re: Contour mapping of elevation points
Posted by [gpeterso](#) on Mon, 25 Feb 2013 18:36:05 GMT
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On Monday, February 25, 2013 9:28:56 AM UTC-8, gpet...@ucsc.edu wrote:

> I am trying to create a contour map of elevation points I have. the file is in .txt form and is an array 824 by 914. I know that each elevation point is equally spaced and the longitude starts at 270 and ends at 360 and the latitude starts at 0 and ends at 90S.

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> I was able to configure a contour plot of that data, by simply reading in the two-dimensional elevation data and plotting. However, I am not sure if this is actually an accurate representation of the data. I've started to create a program that will assign the appropriate longitude and latitude but I am getting stuck.

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> If anyone knows how to help me, that would be much appreciated! Thanks

This is my program so far.

```
openr, lun, 'arial.txt', /get_lun
data=dindgen(824,914)
readf, lun, data
close,lun
```

```
s=Size(data, /Dimensions)
lats=scale_vector(dindgen(s[0]), 0, 90)-90
lons=scale_vector(dindgen(s[1]), 270, 360)
cgContour, array, lons, lats
```