

---

Subject: Contour Problem

Posted by [Jeff Patrick](#) on Fri, 23 Apr 2004 22:11:11 GMT

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

---

I keep getting the following error in my code and I can't figure out why.  
Any help would be appreciated.

```
% XMANAGER: Caught unexpected error from client application. Message follows...
```

```
% Internal error: Triangulation is invalid.
```

```
CONTOUR, X, Y, Z, IRREGULAR=1, ISOTROPIC=1, /CLOSED, /CELL_FILL, /OVERPLOT,  
LEVELS=[  
  20,40,60,80,100,120,140,160,180,200,220,240,260,280,300,320, 340,360,380,400,  
  420,440,460,480,500,520,540,560,580,600,620,640,660,680,700, 720,740,760,780,  
  800,820,840,860,880,900,920,940,960,980,1000]
```

X is my array of data of type double  
Y is my array of longitudes of type double  
Z is my array of latitudes of type double

each array is 32400 in size.

Thank you,

Jeff  
[jeff.patrick@computer.org](mailto:jeff.patrick@computer.org)

---

---

Subject: Re: Contour Problem

Posted by [Jeff Patrick](#) on Mon, 26 Apr 2004 22:01:02 GMT

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

---

Thank you for all the help. I think the answer turns out to be a combination of everything.

The triangulation error was caused by locations whose coordinates were too similar (probably near the pole). The solution, in this case, was to not contour the data in a 1 degree latitude X 1 degree longitude grid, but a 2 degree latitude X 2 degree longitude grid.

again many thanks,

Jeff

---