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Subject: Problem with Trigrd  
Posted by [di](#) on Fri, 30 Apr 1999 07:00:00 GMT  
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My question is quite basic. I am sure someone has figured it out long ago.  
Please give me a clue on this. Thanks!

I have three vectors of numbers, x,y, and z. Although they are regularly spaced data points,  $z=z_i(x_i,y_i)$  and the distance between  $x_i$  and  $x_{i-1}$  is constant, z cannot be used directly by CONTOUR or SURFACE.

The following works:  
Contour, z,x,y,/irregular  
or  
Triangulate, x,y, tr  
Contour, z,x,y,tr  
.

But the following

Triangulate x,y, tr  
Contour,trigird(x,y,z,tr)  
will lose the original coordinate. Say, the x should be [-30,30], but now it is [0,50] (how many grid points are there). Other parameter setting like GS, Limits, NX, will only affect grid points, but not being able to get back original units.

Thank you for your help!

Di  
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