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Subject: Grid Transformation to a new grid

Posted by [capmail79-google](#) on Tue, 12 Feb 2008 10:49:19 GMT

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Hello Everybody!

I want to transpose 3D Radar values from an irregular grid to a definable 3D grid. Since I could not find any function for the 3D problem I tried the function `trigrd` for 2D grids, which works very well for the middle area of my domain, but does only poorly replicate the radar echoes on the edges. I assume, this is due to the interpolation of the values, which happens within the function.

If I could have the source code of the function `trigrd`, i could possibly adapt it to my problem, but i could not find that.

So I tried to find a function which just takes the value of the nearest neighbour and writes it on the new grid, without any interpolation. I did not succeed here, too.

Does anybody know a program for my problem or where I can get the source code of the function `trigrd`? Or even better, it would be great, if there is a program which could handle the grid transformation problem quickly and efficiently on a 3D grid!

Thanks, very much!

Vera

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