Subject: Re: Grid Transformation to a new grid
Posted by Spon on Tue, 12 Feb 2008 11:37:50 GMT
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On Feb 12, 11:23 am, david <da...@grahi.upc.es> wrote:
> Hi,
> I use this one to interpol with nearest_neighbour:
> z_Data_limits=GRIDDATA(xutm_i(0:num_gates_max-1,*),yutm_i(0: num_gates_max-1,*),
> $
>
> z_data(0:num_gates_max-1,*,k,i),METHOD='NearestNeighbour'),T RIANGLES=tri....)
>
> Is this what you want?
>
> Cheers!
>
> capmail79-goo...@yahoo.de wrote:
>> 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 trigrid 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 trigrid, 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 trigrid? 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

Take a look at the QHULL and QGRID3 functions, particularly Example 3
in the QGRID3 help file. Seems to me this might give you what you
want.

All the best,
Chris