
Subject: Re: interpolation/gridding
Posted by [wfzhao](#) on Thu, 20 Mar 2008 08:45:27 GMT
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> Hi,
>
> I need some help about the IDL interpolation or gridding function.
> I have two data sets, both data sets are longitude x latitude wise in
> this one is regular and another is irregular wise. I will give example
> then you will get clear idea about my problem.
>
> Data1: irregular data1 set
> longitude1=[10.5,21.4,0.51,170.45,.....]= 600 points
> latitude1=[12.5,0.2,12.2,-10.2,-5.5,.....]= 600 points
> data1 = [21.32.12.45.13.45.2.34.1.23.] = 600 points
>
> Data2: regular grid model data sets (97 x 48)
> longitude2=[0.0,3.75,7.5,11.25.....] = 97
> latitude2= [-87.15,-83.47,-79.77...] = 48
> data2= [97 x 48]
>
> I want to interpolate/grid the model(Data2) values to the nearest
> longitude1 x latitude1 (data1) sets.
> How to interpolate the model (data2) values to the data1 values.
>
> I am awaiting for your reply,
>
> Thanking you,
>
> Kishore

Hi,
I have some experience in griddata and interpolation.
I think you can griddata on data2 to make it become a new grid at
600*600 points, and to have a look at the new grid data, which will be
a array of 600 *600, its value is near data1 or not.
just my person idea.