Subject: Re: 3d Interpolation
Posted by there _is_hope on Wed, 13 Apr 2016 15:24:21 GMT
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On Wednesday, April 13, 2016 at 11:12:34 AM UTC-4, Paul van Delst wrote:
> On 04/13/16 08:50, ysoobiah@googlemail.com wrote:
>> On Wednesday, April 13, 2016 at 8:40:11 AM UTC-4, there _is_hope
>> wrote:
>>> Dear All IDL users,
>>>
>>> I am currently looking for the best way to interpolate an irregular
>>> 3-d data set to a regular 3-d grid.
>>>
> [snip
>> However I do not immediately see how to achieve a similar result when
>> using grid3 e.g.
>>
>> Result = GRID3(X, Y, Z, F).
>
> Does
> http://www.harrisgeospatial.com/docs/GRID3.html
> provide additional info for your needs?
>
> cheers,
>
> paulv

From what I can tell it is unable to interpolate to a specific pre-defined set of points and only interpolates to an equally spaced grid of a certain number of points in x, y, z, which is not what I want.

A compromise would be to be able to interpolate to a number of points within a particular range range, e.q. theta - -40 to +40 for example, but I don't think it can do this either as I am assuming the number points are scaled between 0 and 1.

If anyone can instruct on how to use grid3 to achieve what I am after I would be very grateful.

Thanks.