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Subject: Re: Unable to get GRIDDATA Function to Work Properly

Posted by [Jeremy Bailin](#) on Tue, 16 Aug 2011 16:32:23 GMT

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On 8/15/11 10:01 PM, Jon wrote:

> Hello IDL'ers

>

> I'm trying to do some interpolation with the GRIDDATA function.

>

> I have a regular lon/lat grid spanning the globe, consisting of values

> that are either 0 or 1. I am trying to interpolate these values to an

> irregular lon/lat grid spanning much of the U.S.

>

> Trouble is, no matter what I do, I cannot get the routine to give me a

> 1, where they clearly should exist. For a simple example, on my global

> grid, all points surrounding -115 W, 35 N are 1, but when I run (where

> testGrid is my global grid):

>

> myGrid = GRIDDATA(Lon, Lat, testGrid, /GRID, XOUT=[-115.0],

> YOUT=[35.0])

>

> I get a 0. Shouldn't this routine interpolate a value of 1 at this

> point?

>

> Thanks,

> JonR

I haven't done it, but based on the help page I'd guess that you might want to use /SPHERE and /DEGREE.

-Jeremy.

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