
Subject: Re: Indices ?

Posted by [David Fanning](#) on Thu, 02 Dec 2004 16:31:08 GMT

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sdj@tiscali.it writes:

> OK, so let me explain what I need to do and why I think that the
> aforementioned information is necessary. Please excuse me if this
> message is a tad long...
>
> I have two satellite sensors giving me SST values on two different
> grids:
> sensor1 is 4320 lon points by 2160 lat points
> sensor2 is 4096 lon points by 2048 lat points
>
> I need to interpolate the sensor1 data onto the sensor2 grid. To do
> this I have found via this newsgroup a useful routine written way back
> in 1994 by Dan Bergmann: interp_sphere.pro
>
> The interp_sphere.pro routine is called in the following way:
> IDL> grid = INTERP_SPHERE(lat,lon,data)
> where
> lat: The latitudes on the grid where interpolated
> values are desired (in degrees)
> lon: The longitudes on the grid where interpolated
> values are desired (in degrees)
> data: An array (3,ndata) where ndata is the number of
> data points, and can be any number larger than N.
> each row of data should contain a longitude, a
> latitude, and a value to be interpolated.
>
> Therefore in my case:
> lat => (lat_sensor2[valid_lat_s2])
> lon => (lon_sensor2[valid_lon_s2])
> data =>
> (lat_sensor1[valid_lat_s1],lon_sensor1[valid_lon_s1],data_sensor1[valid])

I don't think so. I think maybe you are confusing
the grid with the data that goes *on* the grid.
It seems to me that lat and lon are just
lat_sensor2 and lon_sensor2.

> I hope I have managed not to confuse you too much.

Well, I'm always confused, but I'm not ready to think
I'm wrong, yet. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
