
Subject: Re: Spherical gridding
Posted by [hunter](#) on Thu, 19 Jun 2003 15:35:44 GMT
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I tried griddata using keywords for spherical gridding, but the results were poor. However, assuming the lat lon coordinates were cartesian. gave a much better representation of the data (visually).

Eli

"Haje Korth" <haje.korth@jhuapl.edu> wrote in message
news:[bcs8ba\\$24n\\$1@houston.jhuapl.edu](mailto:bcs8ba$24n$1@houston.jhuapl.edu)...

> I am using "griddata", which has been included with IDL since version 5.5.

> It is much more powerful than sph_sct.

>

> Haje

>

>

> --

>

> "Elias J. Hunter" <hunter@imcs.rutgers.edu> wrote in message

> news:3EF0A470.1080008@imcs.rutgers.edu...

>> Hello,

>>

>> I have a matrix of surface pressure north of 60N, that is currently on a

>> gaussian lat-lon grid. My goal is to interpolate this grid to a one

>> degree by one degree lat-lon grid. Now when I attempt this using

>> sph_sct, the field south of 75 degrees lat looks good, the grid north of

>> 75 degrees lat is a mess.

>>

>> My guess is that the longitudinal resolution north of 75 degrees on the

>> new grid is so fine relative to the old grid, its creating a problem. I

>> suppose it could also be because I'm getting closer to the singularity

>> at the pole.

>>

>> Has anybody addressed a similar difficulty using sph_scat?

>>

>> Thanks,

>> Eli

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