Subject: Re: Spherical gridding
Posted by Haje Korth on Thu, 19 Jun 2003 18:45:50 GMT
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Liam,
I just checked IDL and the docs. It is documented in 'What's new in IDL 5.5' on page 228 and works fine in IDL 5.5 and 5.6, as well as 6.0 beta. I found a bug with griddata that crashes IDL in a certain keyword combination if you try to interpolate data poleward of the highest latitude data value. It is logged with RSI and will be fixed. However, on UNIX the error does not occur and most people will probably never notice this one!

Haje

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"Liam Gumley" <Liam.Gumley@ssec.wisc.edu> wrote in message
news:bcsi25nhd1@news.doit.wisc.edu...
> It's not included in my SGI version of IDL 5.5.
>
> Cheers,
> Liam.
> Practical IDL Programming
> http://www.gumley.com/
>
> "Haje Korth" <haje.korth@jhuapl.edu> wrote in message
> news: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 becasue I'm getting closer to the singularity
>>> at the pole.
>>>
>>> Has anybody addressed a similar difficulty using sph_scat?
>>>
>>> Thanks,
>>> Eli
>>>
>>
>>
>
>