Subject: Re: regridding questions...
Posted by safier on Fri, 19 Apr 1996 07:00:00 GMT
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>>>> > "Phil" == Phil Williams <williams@irc.chmcc.org> writes:

   Phil> I have some data that is sampled on a close-to-rectangular
   Phil> grid that looks something like the following:

   Phil>   _____ / / \ _____ \ \ / _____/ / /

   Phil> Are you following me? I have the x and y points defined in
   Phil> an MxN array. The data is an MxN complex array. How would
   Phil> I go about using, or can I even, some IDL function to
   Phil> accomplish getting the data points on a regular rectangular
   Phil> grid?

   Phil> I have tried to use triangulate and trigrid with no success.
   Phil> krig2d can't allocate enough space for the new array.

   Phil> I've come to a dead end and any help would be greatly
   Phil> appreciated!

   Phil> TIA,

How about using bicubic spline interpolation to inetrpolate the values
on a nice rectangular grid of your choice?

Cheers,

Pedro
--
 Pedro N. Safier | "God offers to everyone his
 Department of Astronomy | choice between truth and repose.
 U. of Maryland at College Park | Take which you please--you can
 phone: 301-405-1531; fax: 301-314-9067 | never have both." R. W. Emerson