Subject: Interpolation to fixed points.
Posted by afl on Tue, 02 May 1995 07:00:00 GMT
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I am looking for a routine that would perform bi-linear or
cubic spline interpolation on a cartesian grid.

This is the type of functionality I am looking for...

Let's assume I have data (data_in) at fixed points on a grid.
The grid points are defined by two vectors (x and y).
I would like to interpolate data_in to another set
of grid points given by two vectors (xnew and ynew).
The function call would look something like this.

data_new = interp(data_in, x, y, data_out, xnew, ynew, /spline)

Where I am passing in data_in, x, y, xnew, ynew
(and setting the spline keyword, of course), and
I am getting back data_new.

Does anyone have this type of IDL code lying around?

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