
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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Andrew F. Loughe

University of Colorado, CIRES

Campus Box 449

Boulder, CO 80309-0449 USA

email: afl@cdc.noaa.gov

voice: (303) 492-0707

fax: (303) 497-7013