
Subject: Re: interpolation question

Posted by [chen123.dian](#) on Thu, 20 Apr 2006 14:50:38 GMT

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Thanks, Peter,

Your code works well for 1-D data. It will be nice to extend it to 2-D data.

Regards,

Chen

Peter Albert wrote:

> Hi Chen,

>

> I haven't tested this extensively, but I would try

>

> nn = y[round(interpol(indgen(n_elements(x)),x, u))]

>

> where "x" and "y" are the, well, x and y values and "u" is the vector

> with x-values for which the nearest neighbours are to be found.

>

> What goes on?

>

> The interpol command interpolates the indices of the x and y vectors to

> the new locations, round actually finds the nearest neighbour in terms

> of index, and then we just assign y with those indices.

>

> Regards,

>

> Peter
