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Subject: Re: interpolate with missing values

Posted by [Marcos van Dam](#) on Mon, 18 Jul 2011 22:40:53 GMT

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On Jul 16, 7:08 am, Yun <bernat.puigdomen...@gmail.com> wrote:

> Hi IDLers,

>

> I would like to have a 2D interpolation routine to do the same as

> INTERPOLATE but taking in account missing values.

> What I am doing right now is setting the missing values to !NAN and

> then I use INTERPOLATE. When the routine wants to interpolate a point

> surrounded by 4 points, it uses bilinear interpolation and if one of

> them is !NAN then it returns !NAN.

>

> In this same example (1 point = !NAN) I would like to compute the

> interpolation using some kind of triangulation using the 3 finite and

> valid points.

> I don't really know if this way to proceed is correct and what I

> should do to interpolate, for example, a point surrounded by 2 missing

> values and 2 valid points.

>

> Does all of this make sense to you ? Did you ever try to do something

> similar ?

>

> Suggestions, examples or comments are really appreciated. Thank you in

> advance,

> nata

You can use krig2d to interpolate irregularly sampled data.

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