
Subject: Re: GRIDDATA woes
Posted by [pgrigis](#) on Tue, 04 Mar 2008 22:39:31 GMT
[View Forum Message](#) <> [Reply to Message](#)

David Fanning wrote:

> Kenneth P. Bowman writes:

>

>>> Compute the "interpolation coordinates" from the original grid

>>> $y_j = j + (y - y_original[j]) / (y_original[j+1] - y_original[j])$

>

> To tell you the truth, I can't get this to work at all. :-(

>

> IDL> lat = [-87.5, 50, 25, 0, 30, 45, 64, 87.5]

> IDL> y = Scale_Vector(findgen(7), -87.5, 87.5)

> IDL> j = Value_Locate(lat, y)

> IDL> $y_j = j + (y - lat[j]) / (lat[j+1] - lat[j])$

> % Program caused arithmetic error: Floating illegal operand

> IDL> print, yj

> 0.000000 0.212121 0.424242 3.00000 3.97222 5.70175 -NaN

Try:

IDL> print,interpol(findgen(8),lat,y)

0.00000 0.212121 0.424242 3.00000 3.97222
5.70175 7.00000

Cheers,
Paolo

>

> Cheers,

>

> David

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
