
Subject: Re: GRIDDATA woes

Posted by [David Fanning](#) on Tue, 04 Mar 2008 21:14:37 GMT

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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> yj = 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
```

Cheers,

David

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

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