
Subject: Re: Where is the largest point ?
Posted by [btt](#) on Wed, 08 Aug 2001 20:13:43 GMT
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Hi,

Take a peek at the MAX function (check the online help)

```
maxVal = Max(Arrat, maxIndex)
```

maxVal will return the maximum value

maxIndex will return the index of the maximum value within the array.

If there is more than one value qualifying as MAX, then only the index of the first maxVal encountered is returned in maxIndex.

Ben

Guillaume Dargaud wrote:

>

> I'm still pretty basic at IDL and a lot of the `_no loop_` concepts escape me
> entirely (I'm too used to C and such).

> If I have a 2D matrix, how do I find where is the maximum ?

> Say:

>

> `Mat=FltArr(NbX, NbY)`

> ...

> `[Xmax, YMax] = Where( Mat eq Max(Mat) )`

>

> or something like that ?

> --

> Guillaume Dargaud

> Colorado State University - Dept of Atmospheric Science

> <http://rome.atmos.colostate.edu/>

> "If those folks in Kansas are right about evolution never having happened,

> I sure hope it happens soon." - Michael Sheinbaum.

--

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