
Subject: Re: about MIN of 2D array
Posted by [mchinand](#) on Mon, 28 Oct 2002 21:58:57 GMT
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In article <apk9t5\$6pr\$1@dipsy.missouri.edu>,
Julia <julia65201@yahoo.com> wrote:
> hi, there,
>
> I have a queation about MIN.
>
> If I have a 2-dimension array, I want to get the value and position of
> minimum on each row. Is there a function in IDL can do this?
>
> Since for loop is not time efficient, so it is not suggested here.
>
> Any suggestion will be apprecaited.
>
> Regards,
>
> Julia
>
>

In IDL 5.5 you can do:

```
min_row=min(array,index,dimension=1)
```

min_row will contain the min of each row and index will give the index of the min. The index value will be from 0 to number of elements in the array. If you want the column number that contains the minimum value for each row you can use:

```
row_index= index mod n_cols
```

where n_cols is the number of columns in your array.

Hope that helps,

--Mike

--
Michael Chinander
m-chinander@uchicago.edu
Department of Radiology
University of Chicago

Subject: Re: about MIN of 2D array
Posted by [Julia](#) on Tue, 29 Oct 2002 00:20:23 GMT
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Thank you so much. It works!!!

Besides, can it be done in IDL5.4?

Regards,

Julia

"Mike Chinander" <mchinand@midway.uchicago.edu> wrote in message
news:Bqiv9.43\$P4.10093@news.uchicago.edu...

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>
> --
> Michael Chinander
> m-chinander@uchicago.edu
> Department of Radiology
> University of Chicago
