
Subject: Re: need the dimensions of an array
Posted by [Thomas Nehls](#) on Mon, 29 Mar 2004 07:55:58 GMT
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M. Katz wrote:

```
> Thomas Nehls <thomas.nehls@tu-berlin.de> wrote in message
news:<c41a69$pvv$1@mamenchi.zrz.TU-Berlin.DE>...
>
>> Hi,
>>
>> using read_tiff I Read an image into a variable lets say pixel
>> interleaved (channels, columns, rows)
>>
>> now I need the number of columns and the number of rows
>>
>> like that:
>> img = READ_TIFF(file)
>> num_col = ?(img[1])
>> num_rows= ?(img[2])
>>
>> I tried SIZE(img,/Dimensions) which returns: 3, 385, 345
>> very nice! I need only the Number "385" and the "345" respectively
>> Do you understand what I want to say?
>> Thanks
>> Tom
>
>
> Since SIZE(img, /Dimensions) returns an array, you are looking to
> extract single values from the array. If you're always reading
> 3-dimensional arrays, you can do this
>
> s = SIZE(img, /Dimensions)
> width = s[1]
> height = s[2]
> depth = s[0].
>
> Or in one less step, treat the values returned by the SIZE function
> like this
> width = (SIZE(img, /Dimensions))[1]
> height = (SIZE(img, /Dimensions))[2]
> depth = (SIZE(img, /Dimensions))[0]
>
> You could also have a 2-element size array
> Nxy = (SIZE(img, /Dimensions))[1:2]
> and then access Nxy[0] for the width and Nxy[1] for the height.
>
> M. Katz
```

Thank you very much for your help, unfortunately and because of the Time shifting between you and me, I needed to find a solution somehow and now this works:

```
col = LONG(N_ELEMENTS(img[0,*,0]))  
row = LONG(N_ELEMENTS(img[0,0,*]))
```

Bye
Tom
