

---

Subject: Re: need the dimensions of an array  
Posted by [MKatz843](#) on Sun, 28 Mar 2004 23:30:22 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thomas Nehls <[thomas.nehls@tu-berlin.de](mailto: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

---