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Subject: Re: .dat file size

Posted by [David Fanning](#) on Wed, 09 Jun 2004 12:52:33 GMT

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Aleks writes:

```
> I'm very new to IDL. I was on Mr. Fanning's website and trying to
> figure out the code. This is the website for 3D imaging (exactly what
> I'm required to do)
> http://www.dfanning.com/graphics_tips/mesh.html
>
> this is the part of the code i don't quiet understand
>
> volume = BytArr(80,100,50)
>   FOR j=0,49 DO BEGIN
>
> I know the 50 comes from the fact that there are 50 different images
> so we are going to stack them(I have 81 in my own test project). Now
> the 80 and a 100 comes from some other place and I know that is the
> size of the array ie its a 80x100 array. I have a test_01.tif file how
> would I figure out the size of the array? I have winXP and I have
> been battling this for nearly 3 hours (and i know this isn't even the
> IDL problem =/)
```

Oh, dear. There are several ways to figure out the size of a TIFF file. Without reading it, you can use the QUERY\_TIFF function to find out:

```
IDL> ok = Query_Tiff('test_01.tif', info)
IDL> Print, info.dimensions
      375 150
```

Or, you can just read one of the files and use the SIZE function to get the dimensions:

```
IDL> image = Read_TIFF('test_01.tif')
IDL> Print, Size(image, /Dimensions)
      375 150
```

(Assuming the file was 375 by 150. :-)

Cheers,

David

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

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