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Subject: Re: 3D images

Posted by [siliconcube](#) on Mon, 21 Jun 2004 16:46:31 GMT

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Hi Jeff,

thank you very much that solved my problem.

Aleks

[jnettle1@utk.edu](mailto:jnettle1@utk.edu) (Jeff) wrote in message

news:<330af58b.0406192254.62eefa2f@posting.google.com>...

> Al,

>

> The problem seems to be the way you're making the tif files in  
> Photoshop. Photoshop has lots of optional items you can put in tif  
> files (including, i think, preserving Photoshop layers now). I'm not  
> surprised at all that IDL is having problems reading them. I'd go  
> back to Photoshop and try to make the simplest file you can  
> make....flatten the image before you save it, make sure it's not  
> compressed, etc. Also, note that your code is going to bomb unless  
> you have Photoshop save grayscale files instead of RGB mode files.  
> The read\_tiff routine will assign a [3,m,n] array to the variable  
> image that you then try to assign to a single band in the variable  
> volume. (I'm sure you know this but you also have to be saving 8-bit  
> tif files in Photoshop or otherwise not use byte arrays in IDL) You  
> may also want to use the count keyword to findfile and use that in  
> setting up the volume (ie, volume = bytarr(1600,1200,count)) and in  
> the loop that reads the tiffs (for j = 0, count-1 etc). Anyway, i did  
> what you said you did....made a tif file in photoshop, made copies,  
> and then ran your code (modified as i suggested above) and it worked  
> fine, though i didn't bother sorting the images since they were all  
> the same in my rough little experiment. Good luck.

>

> Jeff

>

> [siliconcube@yahoo.com](mailto:siliconcube@yahoo.com) (Aleks) wrote in message

news:<79140897.0406181249.6e0342b5@posting.google.com>...

>> Hello,

>> this board has been very helpful and I was wondering if anyone could  
>> help me with the following.

>> I'm trying to construct a cylinder. I made a circle in photoshop and  
>> made 10 copies of the file just renaming it. (example circle\_01.tiff,  
>> ....\_02.tiff etc)

>>

>> this is the code I have (which is barely modified code from Dr.  
>> Fannings website) and with the following code i was hoping to get an  
>> isosurface of a cylinder and this is the error that I get before I  
>> make past the last line:

>> % READ\_TIFF: Not a TIFF file, bad magic number 19778 (0x4d42)

>> % Execution halted at: \$MAIN\$

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>> The images are TIFF Files, I checked them from properties tab in
>> windows.
>> when I run query_tiff command I get the following error
>> IDL> ok = query_tiff('test_01.tif', info)
>> % Loaded DLM: TIFF.
>> IDL> print, info.dimensions
>> % Expression must be a structure in this context: INFO.
>> % Execution halted at: $MAIN$
>>
>>
>> files=findfile('* .tif')
>> index=bsort(files, sortedfiles)
>> volume=bytarr(1600,1200,80)
>> for j=0,9 do begin
>> image=read_tiff(sortedfiles[j])
>> volume[* ,*,j] = image
>> endfor
>>
>> Thank you
>> AI
```

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