
Subject: Re: 3D images

Posted by [jnettle1](#) on Sun, 20 Jun 2004 06:54:30 GMT

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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 (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\$
> 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
> Al
```
