
Subject: IsoSurface

Posted by [siliconcube](#) on Wed, 09 Jun 2004 21:44:23 GMT

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Hi all,

ok here is the problem I have: I'm trying to run a test on different images to figure out how things work. Previously I was helped to find the size of my tiff image. I modified the code accordingly.

Unfortunately, when I try to run this code on my images the first Window function shows me all my images but when the execution gets to the second Window Function I lose IDL ie it crashes. I have 81 nearly identical image. (if you would like to see the image you can check it out here http://www.geocities.com/siliconcube/tree_01.tif images were modified with MatLab). Can anyone help me identify the problem, is my image not suitable for Iso Surface or am I doing somethign wrong =/.

Thanks

Aleks

```
files=findfile('*.tif')
index=bsort(files, sortedfiles)
```

```
volume=bytarr(761,671,81)
```

```
for j=0,80 do begin
image=read_tiff(sortedfiles[j])
  volume[0,0,j] = image
endfor
```

```
Window, Title='Original Image Slices', XSize=800, YSize=500, 1,
XPos=0, YPos=0
LoadCT, 0
Device, Decomposed=0
FOR j=0,49 DO TV, volume[*,*,j], j
```

```
Window, 6, XSize=800, YSize=800, Title='Test IsoSurface'
Scale3, XRange=[0,760], YRange=[0,670], ZRange=[0,80], AZ=-150
Shade_Volume, volume, 81, vertices, polygons, /Low
theHead = PolyShade(vertices, polygons, /T3D)
TV, theHead
```

```
end
```
