On Jul 6, 11:57 am, Wox <s...@nomail.com> wrote:
> On Wed, 6 Jul 2011 09:10:27 -0700 (PDT), M R <manisha....@gmail.com>
> wrote:
>
>> I am fairly new to IDl and trying to learn.
>> I have a series of 255 bitmap images in a folder.I have to create a
>> rotating MIP from these images. Each image is of the size 2216 X 1254.
>> I cannot use read_bmp (as mentioned in IDL Help 8.1 as each line
>> should be evenly divisible by 4). I am trying to create a 3D array of
>> the size (3000 X 3000 X 500) in case the image size and number of
>> images change for each data set. How should I go about addressing this
>> issue of loading images into IDL? I will be using FOR loop to build
>> the MIP. I haven't yet thought about rotating the MIP. Any help,
>> suggestions, advice is greatly appreciated. Thank you!
>
> Not an expert in this but:
>
> 1. read_bmp works for me:
> IDL> write_bmp,'c:/tst.bmp',bytarr(2216,1254)
> IDL> help,read_bmp('c:/tst.bmp')
> <Expression>   BYTE   = Array[2216, 1254]
>
> 2. Use read_bmp in a loop just as you suggested. If you run into
> memory issues, use CONGRID or REBIN to make the images smaller before
> adding them to the stack. If all images are of the same dimension in 1
> dataset, why do you need to convert them to 3000x3000?
>
> 3. Checkout XVOLUME_ROTATE+XVOLUME for MIP. Maybe also iVolume and
> xslicer helps?
>
> I must say I was never convinced by IDL's 3D rendering/handling. I
> think products like Avizo and VGStudio MAX are more appropriate.

Thank you for the feedback. I have tried the following. The errors are
pasted below.

```
arm=bytarr(2216,1254,255,/nozero)
for i=0,254 do begin
  file=file_search('filepath.bmp')
  image=read_image(file[i])
  arm=image[i]
  end
TV,MAX(arm,dimension=3)
end
```

Errors
% Attempt to subscript FILE with I is out of range.

I was changing the array dimensions to 3000X3000X500 to accommodate
data sets of different sizes. Yes, I did run into problems with that
and stuck to 2216 X 1254 X 255.

Why does it say file[i] is out of range?Should I declare file as
another array to store the images?