
Subject: Re: create image in background
Posted by [ben.bighair](#) on Fri, 04 Jul 2008 01:28:15 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Jul 3, 9:20 pm, frankosuna <frankos...@gmail.com> wrote:
> I fixed the problem.. I needed to load color table 0 so the new code
> looks like this in case anybody else has any problems on doing
> this. Thanks to everybody for the suggestions and help. Maybe I can
> finish my Thesis now!! Well appreciated!!
>
> LOADCT, 0
> mydevice = !D.NAME
>
> SET_PLOT, 'Z'
>
> ERASE
>
> DEVICE, SET_RESOLUTION=[1024,1024]
>
> filteredImage = SOBEL(img)
>
> filteredImage=ROTATE(filteredImage, 2)
> TVSCL, filteredImage
>
> oplot, filteredImage[*,*]
>
> image = TVRead(Filename='edgeDetect',/NODIALOG,/BMP)
>
> image = READ_BMP('/home/users/fjosuna/CASVU_ISS/edgeDetect.bmp')
> OPENW, lun, 'edgeDetect.dat', /GET_LUN
> WRITEU, lun, image
> FREE_LUN, lun
> ERASE
> SET_PLOT, mydevice

Hi,

I guess I don't understand what you are trying to do. But I am glad it works for you. Just a note, here's an example that creates a filtered image, writes it as a TIFF, reads it back in and then displays it. Note that to create and save the image no device was used. I think this is what you requested originally.

Cheers,
Ben

```
;read the image into an IDL variable  
file = FILEPATH('mineral.png', $
```

```
SUBDIRECTORY = ['examples', 'data'])
img = READ_IMAGE(file)

;transform the image
filteredImage = SOBEL(img)
filteredImage=ROTATE(filteredImage, 2)

;write the image to a file - SOBEL returns a signed integer
WRITE_TIFF,"edgeDetect.tif", filteredImage,/SHORT

;to read in the image, use READ_IMAGE - then display with scaling
restoredImage = READ_TIFF("edgeDetect.tif")
TVSCL, restoredImage
```
