Subject: Re: create image in background

Posted by russell.grew on Thu, 03 Jul 2008 05:31:03 GMT

View Forum Message <> Reply to Message

set_plot, 'ps'

Subject: Re: create image in background

Posted by Ivan Zimine on Thu, 03 Jul 2008 09:59:12 GMT

View Forum Message <> Reply to Message

window, /pixmap

Subject: Re: create image in background Posted by ben.bighair on Thu, 03 Jul 2008 12:28:27 GMT View Forum Message <> Reply to Message

On Jul 2, 7:27 pm, frankosuna <frankos...@gmail.com> wrote:

> Hello,

>

- > I am doing some edge detection work and I wanted to be able to do this
- > without having to display or open any windows. I want to be able to
- > write the edge detected image in the background. Any suggestions will
- > be greatly appreciated.

Hi.

Any array representing an image can be written with displaying it. Use the WRITE IMAGE for easy image writing.

Cheers, Ben

Subject: Re: create image in background Posted by Bruce Bowler on Thu, 03 Jul 2008 12:57:57 GMT View Forum Message <> Reply to Message

On Thu, 03 Jul 2008 05:28:27 -0700, ben.bighair wrote:

> Any array representing an image can be written with displaying it. Use

insert "out" after with?

> the WRITE_IMAGE for easy image writing.

Subject: Re: create image in background Posted by ben.bighair on Thu, 03 Jul 2008 13:20:44 GMT View Forum Message <> Reply to Message

On Jul 3, 8:57 am, Bruce Bowler <bbow...@bigelow.org> wrote:
> On Thu, 03 Jul 2008 05:28:27 -0700, ben.bighair wrote:
>> Any array representing an image can be written with displaying it. Use
> insert "out" after with?
>
>> the WRITE_IMAGE for easy image writing.
>
> Bruce :-)

Yes indeed! And, if you see any marbles rolling down the hall past your door - please catch 'em as they are surely mine!

Cheers, Ben

P.S. I have been making many more of these kind of missing-word-mishaps recently. It will be OK just as long as my wife continues to find them endearing.

Subject: Re: create image in background Posted by frankosuna on Thu, 03 Jul 2008 23:26:27 GMT View Forum Message <> Reply to Message

I have the following code and I am generating an image. However, for some reason the image is in colors and is not black and white. It doesn't look like it has been edge detected.

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
```

Subject: Re: create image in background Posted by frankosuna on Fri, 04 Jul 2008 01:20:32 GMT View Forum Message <> Reply to Message

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

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
        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
```

Page 4 of 5 ---- Generated from

Cheers, Ben

used. I think this is what you requested originally.

;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