
Subject: How to display two images using tvscl
Posted by [frankosuna](#) on Mon, 09 Feb 2009 21:24:35 GMT
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Hello I have two images:

<http://frankosuna.googlepages.com/supportImage.jpg>

<http://frankosuna.googlepages.com/edgeDetect.jpg>

I want to display the first image and then superimpose the edge detected pixels but I'm not sure how to go about pulling out the white pixels and then displaying them on top of the supportImage.

Any ideas?

Thanks,

Frank Osuna

Subject: Re: How to display two images using tvscl
Posted by [David Fanning](#) on Thu, 12 Feb 2009 14:12:09 GMT
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frankosuna writes:

```
> I have two .dat files which I suppose is a binary image files. I
> create them the following way:
>
> image = TVRead(Filename='edgeDetect',/NODIALOG,/BMP)
```

It is right about here that things begin to go South for you. :-)

What I would be interested in is what do you have *before* you capture nothing but color information out of the graphics window. I would prefer to deal with the things you put *into* the graphics window.

```
> image = READ_BMP('/home/users/fjosuna/CASVU_ISS/edgeDetect.bmp')
> OPENW, lun, 'edgeDetect.dat', /GET_LUN
> WRITEU, lun, image
> FREE_LUN, lun
>
> ERASE
```

>
> tvscl, congrid(reallImage, 1024, 1024)

This command is almost guaranteed to screw up your colors for you big time! There is only one hard and fast rule in IDL:
If you care about colors in an image don't ever, under any circumstances, use TVSCL to display it. (I guess the other rule is "Don't ever let me catch you using HEAP_GC," but the TVSCL rule is only slightly behind it in importance.)

When you have a 24-bit image, all you have is colored pixels. If you change *any* of those pixels, then you no longer have the same colors!

But I really don't want to work with 24-bit images at all. It just makes what you are trying to do EXTREMELY complicated. Don't you have a couple of 2D arrays we can work with?

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: How to display two images using tvscl
Posted by [frankosuna](#) on Thu, 12 Feb 2009 20:15:39 GMT
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On Feb 12, 7:12 am, David Fanning <n...@dfanning.com> wrote:
> frankosuna writes:
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>> FREE_LUN, lun
>
>> ERASE
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> can work with?
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
```

I do have the arrays for the images as well.

Subject: Re: How to display two images using tvscl
Posted by [David Fanning](#) on Thu, 12 Feb 2009 20:20:49 GMT
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frankosuna writes:

> I do have the arrays for the images as well.

OK, then! What do they look like. Are they 2D

arrays? Did you load a particular color table
to display them?

Cheers,

David

--

David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
