
Subject: Re: color problem when capture the object window
Posted by [David Fanning](#) on Thu, 11 Mar 2004 22:40:54 GMT
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Songtao Liu writes:

```
> I meet a color problem when capture the images of object window. I
> have a small program with 5 object windows and I use following codes
> to change the color table and capture the display in the window
>
> ;call xloadct
> xloadct, /modal, group = event.top
>
> ;get the changed color table
> tvlct, R, G, B, /get
>
> ;change the palette object
> opalette ->setProperty, red_values = R, green_values = g, blue_values
> = b
>
> ;capture the window display
> draw_id -> getProperty, image_data = data
>
>
> If using BW color table, the captured screen image is correct,
> otherwise, the color of the captured screen image is not correct.
```

What makes you think the color of the captured screen image is not correct? What are you doing with the image? A little code, if you please. :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: color problem when capture the object window
Posted by [lius02](#) on Fri, 12 Mar 2004 16:44:06 GMT
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David Fanning <david@dfanning.com> wrote in message
news:<MPG.1aba98dee23ffa009896fb@news.frii.com>...
> Songtao Liu writes:

```

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> with the image? A little code, if you please. :-)
>
> Cheers,
>
> David

```

Dear Dr. Fanning,

I write the captured screen images to a bmp file and when I look at the bmp file, I found the color is not what it looks like on the screen.

It is just a simple widget program, with several object graphic windows, each display an image and ROIs(draw with plot object).

Followings are the codes to capture the screen display and write them to the disk

```

;capture the window display
draw_id -> getProperty, image_data = data
;write to file
write_bmp, filename, data

```

Thank,

Songtao

Subject: Re: color problem when capture the object window
Posted by [David Fanning](#) on Fri, 12 Mar 2004 17:20:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

Songtao Liu writes:

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> to the disk
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> draw_id -> getProperty, image_data = data
> ;write to file
> write_bmp, filename, data

Oh, right. For some reason, when you create 24-bit color BMP files, Microsoft wants them in the form of BGR rather than RGB. (Don't ask me, I don't have the foggiest idea.)

So just flip your red and blue image planes and you will be good to go. I typically avoid this problem by writing 8-bit BMP files with color tables. See my XImage program, for example.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: color problem when capture the object window
Posted by [lius02](#) on Mon, 15 Mar 2004 17:00:45 GMT

David Fanning <david@dfanning.com> wrote in message
news:<MPG.1abb9f5a579700e29896ff@news.frii.com>...

> Songtao Liu writes:

>

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> So just flip your red and blue image planes and you will
> be good to go. I typically avoid this problem by writing
> 8-bit BMP files with color tables. See my XImage program,
> for example.

>

> Cheers,

>

> David

Dear Dr. Fanning,

Thank you very much for your instruction. After reading your Ximage
program, I figured out that I missed the line:

```
image2D = color_quan(snapshot, 1, r, g, b)
```

now the captured picture is exactly the same as they are shown on the
screen.

Thanks again and have a terrrrific nice day!

Songtao
