
Subject: Re: <sigh> My color question

Posted by [David Fanning](#) on Wed, 07 Nov 2001 23:23:23 GMT

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Todd (mole6e23@hotmail.com) writes:

> I swear I've spend the past several hours reading posts about it and
> trying different things, but it just wasn't working. I just installed
> a new dual processor system, and put on RedHat 7.2. I get IDL loaded,
> fire it up, and put in a simple command such as tv, dist(512,512) and
> get this image with vertical bars running through it. The same thing
> happens with Craig's plotimage routine.
>
> So, I looked around, and added the following lines to my IDL startup
> file:
>
> if(!version.os_family eq 'unix') then device, true_color=24
> window, /free, /pixmap, colors=-10
> wdelete, !d.window
> device,decomposed=0, retain=2
> device, get_visual_depth=depth
> print, 'Display depth: ', depth
> print, 'Number of colors: ', !d.n_colors
>
> Nothing really gets any better. (and I do get a display depth of 24
> bit). To boot, when I try loading color tables and replotting the
> image, the colors in the image don't change, but the position of the
> vertical bands in the image do.
>
> You can see the results here:
>
> This one is using Craigs plotimage (plotimage, bytscl(dist(512,512)))
> <<http://checont6.ucsd.edu/todd/idl/dist.jpeg>>
>
> This one is using tv (tv, dist(512,512))
> <<http://checont6.ucsd.edu/todd/idl/disttv.jpeg>>
>
> Here is help, /device:
>
> Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X
> Z
> Current graphics device: X
> Server: X11.0, The XFree86 Project, Inc, Release 40100000
> Display Depth, Size: 24 bits, (1152,864)
> Visual Class: DirectColor (5)
> Bits Per RGB: 8 (8/8/8)
> Physical Color Map Entries (Used / Total): 256 / 256
> Colormap: Private, 16777216 colors. Translation table: Bypassed

> Graphics pixels: Combined, Dither Method: Ordered
> Write Mask: 16777215 (decimal) ffffff (hex)
> Graphics Function: 3 (copy)
> Current Font: <default>, Current TrueType Font: <default>
> Default Backing Store: Pixmap.
>
> Thanks for any insight... I had seriously hoped to be able to avoid
> posting a color problem, but I'd rather get work done than look good.

I'd sure like to see a True-Color visual class if I ran
that setup file, but even with that caveat, this seems
like a graphics driver problem to me. I'm not convinced
it has much to do with IDL.

Cheers,

David

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