Subject: Re: <sigh> My color question
Posted by Pavel A. Romashkin on Wed, 07 Nov 2001 23:16:31 GMT
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I envy you. I was never ever able to produce anything nearly as great
looking as those striped images of yours :)
Maybe, object graphics is the answer?... Although I am sure you'll find
nightmares in there, too :(
Cheers,
Pavel

Todd wrote:
>
> get this image with vertical bars running through it. The same thing
> happens with Craig's plotimage routine.t

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.
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> So, I looked around, and added the following lines to my IDL startup
> file:
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> 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.
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> You can see the results here:
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> 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))
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>
> 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

--
David W. Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438, E-mail: david@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: <sigh> My color question
Posted by Andrew Cool on Thu, 08 Nov 2001 01:41:01 GMT
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Hi,

Our Linux guys have hit a SNAFU too with v5.5

The order of planes in the colour table gets reversed, such that
on a 24 bit display RGB becomes BGR.

And this is with the startup fixes described below...

What gives, RSI? Nothing in the Release Notes about this.

Andrew

 --- ---------
Andrew D. Cool   .->-.
Electromagnetics & Propagation Group   `-<-'
Surveillance Systems Division   Transmitted on
Defence Science & Technology Organisation   100% recycled
PO Box 1500, Salisbury   electrons
South Australia 5108

Phone : 061 8 8259 5740   Fax : 061 8 8259 6673
Email : andrew.cool@dsto.defence.gov.au
 --- ---------

David Fanning wrote:
>
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>
> David
>
> --
> David W. Fanning, Ph.D.
> Fanning Software Consulting
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> Coyote's Guide to IDL Programming: http://www.dfanning.com/
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Subject: Re: <sigh> My color question
Posted by uk2 on Thu, 08 Nov 2001 02:48:46 GMT
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Hi Todd,

I had the same problem. Got a post on it, but it didn't work. The
problem is 24-bit with linux in 5.5. The solution is buried in the
recent tips on the rsinc site. Just add the following to your startup
file and you should be fine. Now, why this wasn't a problem in the beta
and only made it to the final release, I'll never know.

WINDOW, /PIXMAP & WDELETE
DEVICE, BYPASS_TRANSLATION=0

-Pete

Todd wrote:

> HI all...
>
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> 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,
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> 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.
>
> Todd
>

Subject: Re: <sigh> My color question
Posted by David Fanning on Thu, 08 Nov 2001 03:07:52 GMT
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uk2 (uk2@remove-spam-email.com) writes:

> I had the same problem. Got a post on it, but it didn't work. The
> problem is 24-bit with linux in 5.5. The solution is buried in the
> recent tips on the rsinc site. Just add the following to your startup
> file and you should be fine. Now, why this wasn't a problem in the beta
> and only made it to the final release, I'll never know.
>
>
> WINDOW, /PIXMAP & WDELETE
> DEVICE, BYPASS_TRANSLATION=0

Here is the tip on the RSI site:

http://www.rsinc.com/services/output.cfm?tip_id=3257

Cheers,

David

--
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Subject: Re: <sigh> My color question
Posted by mole6e23 on Thu, 08 Nov 2001 17:01:10 GMT
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> and only made it to the final release, I'll never know.
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> DEVICE, BYPASS_TRANSLATION=0

And once again, the newsgroup saves the day. Thanks for pointing this
out. It's exactly what I needed. Given the startup file I already had,
all I had to add was the device, bypass_translation line and it
worked.

Todd