Subject: Re: Help! Color tables - decomposed=0?
Posted by davidf on Fri, 26 Mar 1999 08:00:00 GMT
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Phil Aldis (philaldis@geocities.com) writes:

> Don't worry David Fanning will almost certainly reply
> to the post because he's always a bit of a sucker for any
> question to do with colour.

My wife was saying, just the other night, she thought
I was becoming a bit too predicable...I'm sure, now, this
is what she meant by that remark... :-(

Cheers,

David

P.S. Let's just say she asked me to spend less time
responding to IDL newsgroup questions after I tuck
the kids into bed at night.

But I am a damn sucker for those color questions. :-(

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

Subject: Re: Help! Color tables - decomposed=0?
Posted by Phil Aldis on Fri, 26 Mar 1999 08:00:00 GMT
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In article <36FBC849.D517A7C5@indra.com>,
mbennett@indra.com wrote:
> I'm using IDL 5.0.2 on a Win98 platform. My graphics adapter is running
> in 16-bit (65536 color) mode. Despite much experimentation and perusal
> of Dave Fanning's excellent web site, I cannot get the colors to come
> out correctly. I have set decomposed=0 and loaded the rainbow color
> table (#13). If I plot data points with the plots command and a color
> index array, the colors still come out in a black to red continuum, but
> if I issue a command like
>
> tv,congrid(indgen(16,16),160,160)
>

> I see that the colors work as expected for the tv command. I get an
> image showing the rainbow spectrum of colors, as I would like for plots
> commands. How can I make the plots command honor the color table?
> Thanks in advance for any advice -
>
> Med Bennett
>
>

The first thing I would say is that, although I'm not exactly sure, I think there were some "issues" with IDL 5.0.3 and some of these were to do with colour. However you want to wait for someone who's been using IDL for longer than 6 months to answer that one. Don't worry David Fanning will almost certainly reply to the post because he's always a bit of a sucker for any question to do with colour.

However that aside I think the main thing is to ask you if you could put up the code for when you called the plots function. I did the following on my Windows NT machine, which I ran in 16 bit colour mode. (I got exactly the same help, /dev as you.)

```
IDL> Loadct, 13
IDL> PLOT, Findgen(256), /NODATA
IDL> PLOTS, Findgen(256), Findgen(256), COLOR = Findgen(256), /DATA
```

This produced a lovely diagonal line, which ramped nicely through all the colour table values.

If you post the code that you used to create the line plot, then it will be easier to help you. Although, as I said, it might be something to do with the version of IDL.

Cheers,
Phil Aldis

----------== Posted via Deja News, The Discussion Network ==----------
http://www.dejanews.com/ Search, Read, Discuss, or Start Your Own

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Subject: Re: Help! Color tables - decomposed=0?
Posted by davidf on Fri, 26 Mar 1999 08:00:00 GMT
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Med Bennett (mbennett@indra.com) writes:

> I'm using IDL 5.0.2 on a Win98 platform. My graphics adapter is running
> in 16-bit (65536 color) mode. Despite much experimentation and perusal
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> image showing the rainbow spectrum of colors, as I would like for plots
> commands. How can I make the plots command honor the color table?

Very odd. Here is a session I just ran with my display set to
16-bit color. It works perfectly. (IDL 5.2)

```
IDL> curve=Loaddata(1)
% Compiled module: LOADDATA.
IDL> x=Findgen(101)
IDL> Device, Decomposed=0
IDL> LoadCT, 13, NColors=101
% Compiled module: LOADCT.
% Compiled module: FILEPATH.
% LOADCT: Loading table RAINBOW
IDL> Plot, x, curve, /NoData
IDL> PlotS, x, curve, Color=Findgen(101)
```

Cheers,

David

--
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[Note: This follow-up was e-mailed to the cited author.]

Subject: Re: Help! Color tables - decomposed=0?
Posted by Liam Gumley on Fri, 26 Mar 1999 08:00:00 GMT
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Med Bennett wrote:

> I'm using IDL 5.0.2 on a Win98 platform. My graphics adapter is running
> in 16-bit (65536 color) mode. Despite much experimentation and perusal
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> image showing the rainbow spectrum of colors, as I would like for plots
> commands. How can I make the plots command honor the color table?

I've seen this problem myself with IDL 5.1 and 5.2 under Windows98. The solution was to not use a 16-bit display mode. In my experience, IDL only supports 8 bit and 24 bit display modes reliably under Windows.

Liam E. Gumley
Space Science and Engineering Center, UW-Madison
http://cimss.ssec.wisc.edu/~gumley
