Subject: True colors and IDL
Posted by Jeffrey Newmark on Fri, 12 Apr 1996 07:00:00 GMT
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Hi,

I am running IDL 4.0.1 on a DEC AlphaStation (Digital UNIX) with
a 24 bit monitor. I routinely display a large number of 1024x1024
images from FITS files. These images are displayed using 1 of 4
color tables we have added to the standard IDL set. I am presently
setting device,pseudo_color=8 since I haven't found a QUICK
way to create the TRUECOLOR images on the fly.

Anyhow, the trouble I'm having is that the proper color table is
not being set unless I also bring up XLOADCT. After the color
table is loaded once I can get rid of XLOADCT and it will still
use the proper color table for future images in the same IDL session.
Therefore, once I get the 4 color tables loaded I can get rid of
XLOADCT but this is a pain not to mention silly.

Does anyone know if this is a feature, bug, or pilot error????
Is there something I'm not setting in my .Xdefaults??

lost in color.....thanks in advance.

Subject: Re: True colors and IDL
Posted by Phil Williams on Tue, 16 Apr 1996 07:00:00 GMT
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Jeffrey Newmark wrote:
>
> Hi,
>
> I am running IDL 4.0.1 on a DEC AlphaStation (Digital UNIX) with
> a 24 bit monitor. I routinely display a large number of 1024x1024
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>

> Does anyone know if this is a feature, bug, or pilot error????
> Is there something I'm not setting in my .Xdefaults??
>
> lost in color.....thanks in advance.
Jeff,

As I have just found out, the order of the statments in your .Xdefaults
file matters. For instance, idl.colors should come before idl.visual.

Hope this helps
--
 /** *******/
  Phil Williams, Ph.D.
  Research Instructor
  Children's Hospital Medical Center   "One man gathers what
  Imaging Research Center   another man spills..."
  3333 Burnet Ave.   -The Grateful Dead
  Cincinnati, OH 45229
  email: williams@irc.chmcc.org
  URL: http://www.irc.chmcc.org/~williams/
 /** *******/

Subject: Re: True colors and IDL
Posted by Georg Kettmann on Wed, 17 Apr 1996 07:00:00 GMT
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williams wrote:
>
> Jeffrey Newmark wrote:
>>
>> Hi,
>>
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>> a 24 bit monitor. I routinely display a large number of 1024x1024
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>> Does anyone know if this is a feature, bug, or pilot error????

```
>>  Is there something I'm not setting in my .Xdefaults??
>>
>>  lost in color.....thanks in advance.
>  Jeff,
>
>  As I have just found out, the order of the statments in your .Xdefaults
>  file matters.  For instance, idl.colors should come before idl.visual.
>
>  Hope this helps
```

I have seen the same problem on an OpenVMS machin and fixed it by running this
little procedure from the startup procedure (I guess I extracted it from
XLOADCT):

PRO init_ct

```
; Initialize color table.  With the E3 graphics, color tables are not realized
; properly with just calling LOADCT and plotting.  This little hack fixes the
; problem (although I really don't know why!)
;
; G. Kettmann, MPAe, 24-Aug-1995
```

```
base = WIDGET_BASE()
show = WIDGET_DRAW(base)
WIDGET_CONTROL, base, /REALIZE
widget_control, base, /destroy
```

END

I'm not familiar with Unix. Is there an equivalent to the .Xdefaults file
which should be edited for a proper solution of the problem?

Georg.

```
--
 +----------------------------------------------------- -----------------+
 | Georg Kettmann               Phone:   [+49] 55 56 - 979 338       |
 | Max-Planck-Institut fuer Aeronomie  FAX:             - 240       |
 | Postfach 20                Internet: kettmann@linrap.mpae.gwdg.de |
 | D-37189 Katlenburg-Lindau, Germany  SPAN:    NSP::29050::KETTMANN        |
 +----------------------------------------------------- -----------------+
```

Subject: Re: True colors and IDL
Posted by Jeffrey Newmark on Mon, 22 Apr 1996 07:00:00 GMT
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Thanks to all who posted responses to my question. I think I can

piece together a patch that works even if I'm not sure why it is needed.

Jeff