Subject: xloadct: color table from file persists
Posted by manodeep@gmail.com on Tue, 07 Sep 2010 02:51:18 GMT
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Hi everyone,

xloadct seems to remember the colors from a non-default color table
from an earlier call. I am using IDL 8.0 on Linux (I tested on IDL 7.1
and it had the same behavior) and the display is TrueColor.

Here is the sequence of commands:

xloadct,file='path/to/brewer.tbl' (and choose some color table)
.
.
xloadct

The last xloadct command displays the color names from the ITT
supplied colors1.tbl but the colors themselves are from brewer.tbl.
Regular loadct does not have this behavior (I used David's cindex to
verify the loaded colors).

I did put in a device,decomposed=0 call before the first call to
xloadct. xloadct is the correct IDL 8.0 version in the utilities sub-
directory.

Is there any reason that xloadct is designed to behave this way or is
something horribly wrong with my IDL setup?

Cheers,
Manodeep

Subject: Re: xloadct: color table from file persists
Posted by Michael Galloy on Tue, 07 Sep 2010 16:25:13 GMT
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On 9/6/10 8:51 PM, Manodeep Sinha wrote:
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Since LOADCT and XLOADCT get there color tables from the same place
(unless the FILE keyword is used), I'm not sure what is going on.

Does a restart of IDL get the correct colors? There are some COMMON
blocks involved, maybe they are getting screwed up in some way?

Mike
--
www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: xloadct: color table from file persists
Posted by manodeep@gmail.com on Tue, 07 Sep 2010 17:12:18 GMT
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On Sep 7, 11:25 am, mgalloy <mgal...@gmail.com> wrote:
> On 9/6/10 8:51 PM, Manodeep Sinha wrote:
>
>
>
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>
> Mike
> --www.michaelgalloy.com
> Research Mathematician
> Tech-X Corporation

Resetting the IDL session does restore the right colors but that point
is probably moot.
I think I figured the issue out. The problem was the variable
"filename" was not getting
reset when the current file keyword is empty (and filename contains
the file from the
previous call).

xloadct needs to have the following section (the first two lines are
already in xloadct) :

```
IF N_ELEMENTS(file) GT 0 THEN begin
   filename = file
endif else begin
   if n_elements(filename) gt 0 then delvarx,filename
endelse
```

It was a COMMON block issue. Of course.

Cheers,
Manodeep