
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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> something horribly wrong with my IDL setup?

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
