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Subject: Current color table

Posted by [a146397258](#) on Mon, 20 Jul 2015 16:59:25 GMT

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When the user clicks a button, the program executes xloadct, allowing them to then select and/or modify a color table. I would like to have a small piece of text below the button that indicates the currently loaded color table. Where would the current color table index and its name be stored? I can't find it anywhere. I also need the table number to preserve the current color table, as the script executes a color plot, and then a different plot which must be black and white. In between runs I don't want the user to have to reselect the color table, but unfortunately it is reverted to black and white to properly generate the second plot. There's probably something simple I am missing...

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Subject: Re: Current color table

Posted by [a146397258](#) on Tue, 21 Jul 2015 16:30:54 GMT

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Fixed the second problem by working with TVLCT to save temp values. I am still looking for a way to get the current table name, so I can display this to the user though. Any help would be appreciated.

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Subject: Re: Current color table

Posted by [jimuba](#) on Thu, 23 Jul 2015 22:03:34 GMT

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On Monday, July 20, 2015 at 10:59:28 AM UTC-6, a1463...@gmail.com wrote:

> When the user clicks a button, the program executes xloadct, allowing them to then select and/or modify a color table. I would like to have a small piece of text below the button that indicates the currently loaded color table. Where would the current color table index and its name be stored? I can't find it anywhere. I also need the table number to preserve the current color table, as the script executes a color plot, and then a different plot which must be black and white. In between runs I don't want the user to have to reselect the color table, but unfortunately it is reverted to black and white to properly generate the second plot. There's probably something simple I am missing...

Hi, would an approach like the following work for you?

```
xloadct, /block
tvlct, r, g, b, /get
loadct, get_names=ctnames
tvlct, r, g, b, /get
ct = [[r],[g],[b]]
```

```
for i=0, n_elements(ctnames)-1 do $
  if array_equal(ct, colortable(i)) then begin
```

```
print,strtrim(i,1),' : ',ctnames[i]
break
endif

end
```

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Subject: Re: Current color table

Posted by [a146397258](#) on Fri, 24 Jul 2015 14:15:22 GMT

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On Thursday, July 23, 2015 at 4:03:37 PM UTC-6, jim...@gmail.com wrote:

> On Monday, July 20, 2015 at 10:59:28 AM UTC-6, a1463...@gmail.com wrote:

>> When the user clicks a button, the program executes xloadct, allowing them to then select and/or modify a color table. I would like to have a small piece of text below the button that indicates the currently loaded color table. Where would the current color table index and its name be stored? I can't find it anywhere. I also need the table number to preserve the current color table, as the script executes a color plot, and then a different plot which must be black and white. In between runs I don't want the user to have to reselect the color table, but unfortunately it is reverted to black and white to properly generate the second plot. There's probably something simple I am missing...

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>   if array_equal(ct, colortable(i)) then begin
>     print,strtrim(i,1),' : ',ctnames[i]
>     break
>   endif
>
>
> end
```

Wow, fantastic. Thank you very much.

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Subject: Re: Current color table

Posted by [David Fanning](#) on Sun, 26 Jul 2015 19:19:11 GMT

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a146397258@gmail.com writes:

> When the user clicks a button, the program executes xloadct, allowing them to then select and/or modify a color table. I would like to have a small piece of text below the button that indicates the currently loaded color table. Where would the current color table index and its name be stored? I can't find it anywhere. I also need the table number to preserve the current color table, as the script executes a color plot, and then a different plot which must be black and white. In between runs I don't want the user to have to reselect the color table, but unfortunately it is reverted to black and white to properly generate the second plot. There's probably something simple I am missing...

Yes, cgLoadCT.

<http://www.idlcoyote.com/idldoc/cg/cgloadct.html>

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

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