
Subject: interactive color changes within a procedure
Posted by [woodney](#) on Wed, 07 Mar 2001 23:58:27 GMT
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I've been lurking on this group learning lots of useful things for awhile now. Now I have a question that maybe somebody here knows the answer to.

Once upon a time you could place a call to XLoadCT inside a procedure so that when it ran, the color table widget would pop up, you could play with the color table of an image being displayed, then when you were done, you could close the widget and the program would then continue on its merry way. Then RSI messed with XLoadCT and this no longer worked: the color table widget would pop up, but the program would continue on it's merry way and not give you a chance to play with your color tables. Fortunately, the old version of XLoadCT still worked and could be placed in my path in front of the current RSI version.

Now here's the latest twist. My new display is 24-bit color, so I want to start using David Fanning's XColor widget for playing with my color tables. However, I can't figure out how to stop and interactively play with the color stretch while inside a procedure. Since I now live in a 24-bit world, the old solution of using XLoadCT from vintage IDL doesn't work either.

Here's an example of what I'm trying to do (parts are cribbed from David's great book):

PRO test,image

```
;scale and display the image
im = bytscl(image)
window,16,xsize=401,ysize=401
tv,im
```

```
;fiddle with the color table
xcolors, notifypro='display', image=im, wid= 16
```

```
;fit centroid to position clicked on image
center_par,im,x0,y0
print,'measured center:',x0,y0
```

end

```
PRO display, image=image,wid=wid
IF n_elements(wid) EQ 0 THEN wid = !d.window
wset,wid
```

tv,image
end

I'm not going to include center_par since it's too long, and isn't really related to the problem.

This all works fine - except I can't change the color scale of the image until after the procedure has ended, and I want to do it before it gets to the center_par routine so I can see what it is I'm trying to click on for that routine.

Figuring out what color stretch I want to use at each step before I run a program is impractical. I have dozens of images I need to manipulate, interactively measure and then manipulate some more.

Any ideas?

- Laura

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Subject: Re: interactive color changes within a procedure
Posted by [John-David T. Smith](#) on Fri, 09 Mar 2001 23:41:17 GMT
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Craig Markwardt wrote:

>
> JD Smith <jdsmith@astro.cornell.edu> writes:
>
>> Craig Markwardt wrote:
>>> I still use round parenthesis for all my new programs!
>>
>> For shame! Perpetuating a colossal syntax mistake.
>>
>> COMPILE_OPT STRICTARR
>

- > I prefer to call it "classic" syntax.
- >
- > My putative reason was for compatibility with IDL 4, but this
- > reasoning is slowly dissipating now.

How can one not use "break", "continue", and "switch"? When you're still adding basic programming control functionality in your 25 year old product, it's hardly a wonder many packages require the latest version. I for one will always be adding a "Requires v5.4" disclaimer.

JD

P.S. IDL has turned 25! Did anyone throw a party? If not, next Friday at David's. Bring your own device.

Subject: Re: interactive color changes within a procedure

Posted by [davidf](#) on Sat, 10 Mar 2001 15:13:22 GMT

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JD Smith (jdsmith@astro.cornell.edu) writes:

- > P.S. IDL has turned 25! Did anyone throw a party? If not, next Friday
- > at David's. Bring your own device.

Oh, oh. Hope you don't mind a little construction debris. Like most of my home improvement projects, the latest living/dining room spruce-up will probably linger into the Spring. :-(

Cheers,

David

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