
Subject: Re: Colormap in idl -vm

Posted by [David Fanning](#) on Tue, 23 Mar 2004 22:16:29 GMT

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Yunxiang Zhang writes:

> I was not able to make the colormap work properly with idl virtual
> machine. The image always looks b/w and TVLCT defined color is always
> black.
>
> For example, LOADCT won't do anything and the following code gives me
> totally black screen. This happens only in virtual machine mode(Linux).
> :(
>
> TVLCT, [[0], [255], [31]], green
> PLOT, x, my_func, color=green
>
> Is it a common problem or I have to know some tricks here? Thanks!

I guess I would have tried this:

```
TVLCT, [[0], [255], [31]], green
DEVICE, Decomposed=0
PLOT, x, my_func, color=green
```

Does that work any better?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting

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

Subject: Re: Colormap in idl -vm

Posted by [Yunxiang Zhang](#) on Tue, 23 Mar 2004 23:25:31 GMT

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Thanks David!

It seems that 'idlde -vm' doesn't really care about my .idl_startup.pro.
And another strange thing is whenever I start the virtual machine, I have
to click the button twice to get to the open sav file dialogue. Was it due
to the latest patch? I can't remember. ^!^

Yunxiang

On Tue, 23 Mar 2004, David Fanning wrote:

```
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> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
>
```

Subject: Re: Colormap in idl -vm
Posted by [David Fanning](#) on Tue, 23 Mar 2004 23:47:50 GMT
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Yunxiang Zhang writes:

```
> It seems that 'idlde -vm' doesn't really care about my .idl_startup.pro.
```

No, I think this has been pretty well established, and even

documented. :-)

> And another strange thing is whenever I start the virtual machine, I have
> to click the button twice to get to the open sav file dialogue. Was it due
> to the latest patch? I can't remember. ^!^

Haven't seen this. Don't know.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting

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Subject: Re: Colormap in idl -vm

Posted by [portshome](#) on Wed, 24 Mar 2004 14:08:24 GMT

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I have this same colormap problem in IDL Virtual Machine on an SGI running IRIX 6.5. Adding the DEVICE, DECOMPOSED=0 does not help.

PJ

Subject: Re: Colormap in idl -vm

Posted by [David Fanning](#) on Wed, 24 Mar 2004 14:33:36 GMT

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PJL writes:

> I have this same colormap problem in IDL Virtual Machine on an SGI
> running IRIX 6.5. Adding the DEVICE, DECOMPOSED=0 does not help.

Well, I'm not overly fond of using DEVICE DECOMPOSED in code anyway. Plays havoc with what you are trying to do, usually.

I prefer using device-independent color methods. Here is a Virtual Machine test program that uses FSC_COLOR to load colors. You can find FSC_COLOR here:

http://www.dfanning.com/programs/fsc_color.pro

Do this:

1. Start a fresh IDL session.

2. Compile VM_TEST

```
IDL> .compile vm_test
```

3. Type RESOLVE_ALL:

```
IDL> Resolve_All
```

4. Save the routines in a save file:

```
IDL> Save, Filename='vm_test.sav', /Routines
```

5. Exit IDL.

Now run the save file in the Virtual Machine. What colors are you seeing?

Cheers,

David

```
*****
;
PRO VM_TEST_EVENT, event
  Widget_Control, event.top, /Destroy
END

PRO VM_TEST

  base = Widget_Base(Column=1)
  draw = Widget_Draw(base, XSize=400, YSize=400)
  button = Widget_Button(base, Value='Quit')
  Widget_Control, base, /Realize

  bg = FSC_Color('charcoal', !D.Table_Size-2)
  ac = FSC_Color('green', !D.Table_Size-3)
  dc = FSC_Color('yellow', !D.Table_Size-4)

  Plot, Findgen(11), Background=bg, Color=ac, /NoData
  OPlot, Findgen(11), Color=dc

  XManager, 'vm_test', base

END
*****
;
```

--

David Fanning, Ph.D.
Fanning Software Consulting
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: Colormap in idl -vm
Posted by [portshome](#) on Tue, 30 Mar 2004 15:05:23 GMT
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Actually I applied IDL patch v6.03, and it fixed my problem! I don't know but it may fix the other person's problem as well.
