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Subject: Re: PostScript Device GET\_DECOMPOSED Weirdness

Posted by [ben.bighair](#) on Thu, 13 Jan 2011 03:00:05 GMT

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Hi,

On 1/12/11 9:45 PM, David Fanning wrote:

```
> Folks,
>
> OK, does this make *any* sense to anyone!?
>
> IDL> print, !version
> { x86 linux unix linux 7.1 Apr 21 2009    32    64}
> IDL> thisdevice = !d.name
> IDL> set_plot, 'ps'
> IDL> device, decomposed=1
> IDL> device, get_decomposed=state
> % Keyword GET_DECOMPOSED not allowed in call to: DEVICE
> % Execution halted at: $MAIN$
> IDL> set_plot, thisdevice
>
> How is this possible? Wasn't this keyword added to
> ALL versions of IDL in 7.1?
>
```

```
IDL> print, !version
{ x86_64 darwin unix Mac OS X 7.1 Apr 21 2009    64    64}
IDL> thisdevice = !d.name
IDL> set_plot, 'ps'
IDL> device, decomposed=1
IDL> device, get_decomposed=state
% Keyword GET_DECOMPOSED not allowed in call to: DEVICE
% Execution halted at: $MAIN$
IDL> set_plot, thisdevice
```

There seems to be a documentation bug in my help file -

```
IDL> ?device
```

In the list of keywords at the top of the help window I see...

GET\_DECOMPOSED (WIN, X)

If I click on the link to get to the details of the keyword I see this...

GET\_DECOMPOSED

(PS, WIN, X, Z)

Regardless of the documentation confusion, it seems like a bug to me.  
The language in the description of the DECOMPOSED keyword makes it seem unambiguous that PostScript should have a decompose-able state.

Bummer.

Ben

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Subject: Re: PostScript Device GET\_DECOMPOSED Weirdness

Posted by [penteado](#) on Thu, 13 Jan 2011 03:48:09 GMT

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On Jan 13, 1:00 am, Ben Tupper <ben.bigh...@gmail.com> wrote:

> Regardless of the documentation confusion, it seems like a bug to me.  
> The language in the description of the DECOMPOSED keyword makes it seem  
> unambiguous that PostScript should have a decompose-able state.

I think the issue is not whether PS can be decomposed, it is simply whether device can inform the state, with get\_decomposed. As I remember, this was added in 7.something. I checked in my old 7.1.1 and it works:

```
IDL> print,!version
{ x86_64 linux unix linux 7.1.1 Aug 21 2009    64    64}
IDL> set_plot, 'ps'
IDL> device, decomposed=1
IDL> device, get_decomposed=state
IDL> help,state
STATE      LONG    =      1
IDL> device, decomposed=0
IDL> device, get_decomposed=state
IDL> help,state
STATE      LONG    =      0
```

I do not have any older versions to test.

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Subject: Re: PostScript Device GET\_DECOMPOSED Weirdness

Posted by [David Fanning](#) on Thu, 13 Jan 2011 06:13:11 GMT

Paulo Penteado writes:

> I think the issue is not whether PS can be decomposed, it is simply  
> whether device can inform the state, with get\_decomposed. As I  
> remember, this was added in 7.something. I checked in my old 7.1.1 and  
> it works:

Humm. Bummer. How do you write code that works for IDL 7.1.1,  
but not IDL 7.1?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

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