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Subject: Problem with cgcmdwindow\_\_define  
Posted by [seanelvidge](#) on Thu, 20 Feb 2014 13:52:05 GMT  
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Hi all (David),

I seem to be having a problem when saving a cgWindow to a Raster image file. I think the problem may be in cgcmdwindow\_\_define. I am trying to save a cgWindow, to a PNG file (although this happens for any file type) however the outputted image is only a single pixel wide.

I believe this is because a WIDTH of 0 is being passed to cgPS\_Close (line 2662 in cgcmdwindow\_\_define) which comes from self.im\_width. With the width set thus when an N\_ELEMENTS check is done during cgPS\_Close the program thinks I want to resize the image to something of width 0.

This fault seems to have only arisen recently.

Many thanks with any help you can provide,  
Sean.

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Subject: Re: Problem with cgcmdwindow\_\_define  
Posted by [David Fanning](#) on Thu, 20 Feb 2014 14:08:37 GMT  
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Sean Elvidge writes:

> I seem to be having a problem when saving a cgWindow to a Raster image file. I think the problem may be in cgcmdwindow\_\_define. I am trying to save a cgWindow, to a PNG file (although this happens for any file type) however the outputted image is only a single pixel wide.

>

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>

> This fault seems to have only arisen recently.

Do you mean from this morning's download of the Coyote Library?

Don't know. This certainly doesn't happen to me when I try it. I guess I need more details. These are the steps I take to solve these kinds of problems:

[http://www.idlcoyote.com/code\\_tips/fixcoyoteprogram.php](http://www.idlcoyote.com/code_tips/fixcoyoteprogram.php)

Cheers,

David

--

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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Subject: Re: Problem with cgcmdwindow\_\_define

Posted by [David Fanning](#) on Thu, 20 Feb 2014 14:10:25 GMT

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David Fanning writes:

>  
> Sean Elvidge writes:  
>  
>> I seem to be having a problem when saving a cgWindow to a Raster image file. I think the problem may be in cgcmdwindow\_\_define. I am trying to save a cgWindow, to a PNG file (although this happens for any file type) however the outputted image is only a single pixel wide.  
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>  
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Oh, hang on, you may be right. I was looking at the wrong file.

I'll be back soon. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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Subject: Re: Problem with cgcmdwindow\_\_define  
Posted by [David Fanning](#) on Thu, 20 Feb 2014 14:21:56 GMT  
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David Fanning writes:

```
>
> David Fanning writes:
>
>>
>> Sean Elvidge writes:
>>
>>> I seem to be having a problem when saving a cgWindow to a Raster image file. I think the
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>> http://www.idlcoyote.com/code\_tips/fixcoyoteprogram.php
>
> Oh, hang on, you may be right. I was looking at the wrong file.
>
> I'll be back soon. :-)
```

OK, find line 237 in cgWindow\_SetDefs. It will look like this:

```
IF N_Elements(im_width) EQ 0 THEN im_width = 0
```

Change it to look like this:

```
IF N_Elements(im_width) EQ 0 THEN im_width = 800
```

Then, restart IDL. Things should work normally. Although I see a recent

change (may not apply to you) is causing the "height" of this output to be set to 800, rather than the width. I'll fix this, too, and have new files available later today, but this might get you going in the right direction. Thanks for the heads-up.

Cheers,

David

--

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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Subject: Re: Problem with cgcmdwindow\_\_define

Posted by [David Fanning](#) on Thu, 20 Feb 2014 18:57:39 GMT

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Sean Elvidge writes:

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>

> This fault seems to have only arisen recently.

I ended up solving this in a different way from what I recommended this morning. As I did so, I fixed a bug I had introduced into cgPS2Raster when I moved some code in the ImageMagick command. I didn't realize order of the keywords on the command mattered as much as they did. The result was that the HEIGHT value was being applied to WIDTH in some cases. While I was fixing \*that\* program, I just added the HEIGHT keyword to cgPSClose because, well, why not.

All this to say that several files changed today and you are probably due for an updated Library anyway:

[http://www.idlcoyote.com/programs/zip\\_files/coyoteprograms.zip](http://www.idlcoyote.com/programs/zip_files/coyoteprograms.zip)

Cheers,

David

--

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Subject: Re: Problem with cgcmdwindow\_\_define

Posted by [seanelvidge](#) on Fri, 21 Feb 2014 08:13:26 GMT

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On Thursday, 20 February 2014 18:57:39 UTC, David Fanning wrote:

>

> I ended up solving this in a different way from what I recommended this  
> morning. As I did so, I fixed a bug I had introduced into cgPS2Raster  
> when I moved some code in the ImageMagick command. I didn't realize  
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>

> [http://www.idlcoyote.com/programs/zip\\_files/coyoteprograms.zip](http://www.idlcoyote.com/programs/zip_files/coyoteprograms.zip)

>

Many thanks for the fix David.

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