
Subject: Re: Problems saving/exporting FG

Posted by [Helder Marchetto](#) on Thu, 18 Aug 2016 12:07:59 GMT

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On Thursday, January 21, 2016 at 11:26:43 PM UTC+1, Helder wrote:

> On Thursday, January 21, 2016 at 5:56:08 PM UTC, Helder wrote:

>> Hi,

>> I'm having problems saving my FG graphics. I get blanked out text in my saved plots. To test this I ran this code:

```
>>
>> pro idlOutputProblem
>> outDir='C:\myOutputDir\testSoftware\'
>> curve = sin(!pi*4*findgen(361)/360.0)
>> for i=0,9 do begin
>>   hm_test1 = plot(curve, '3r+-', xtitle='x Axis', ytitle='y Axis', dimensions=[600,600], title='x-y
plot', window_title='Drift Plot: x vs y')
>>   hm_test2 = plot(curve, '3r+-', xtitle='x Axis', ytitle='y Axis', dimensions=[600,600], title='x-y
plot')
>>   hm_test3 = plot(curve, '3r+-', xtitle='x Axis', ytitle='y Axis', dimensions=[600,600])
>>   hm_test4 = plot(curve, '3r+-', xtitle='x Axis', ytitle='y Axis')
>>   hm_test5 = plot(curve)
>>   hm_test1.save, outDir+'test1_'+string(i,format='(i02)')+'.png'
>>   hm_test2.save, outDir+'test2_'+string(i,format='(i02)')+'.png'
>>   hm_test3.save, outDir+'test3_'+string(i,format='(i02)')+'.png'
>>   hm_test4.save, outDir+'test4_'+string(i,format='(i02)')+'.png'
>>   hm_test5.save, outDir+'test5_'+string(i,format='(i02)')+'.png'
>>   hm_test1.close
>>   hm_test2.close
>>   hm_test3.close
>>   hm_test4.close
>>   hm_test5.close
>> endfor
>> end
>>
```

>> The result I got shows a strange distribution. Here is an array with "1s" where the plot output is bad and "0s" where the plot output is as expected:

```
>> 0 1 1 0 1 1 1 0 1 1 0 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1
  1 1 1 1 1 1 1
>> 0 1 1 1 1 1 1 1 1 1 1 1 1
>>
```

>> I put things inside a post to show what I mean with good and bad output:

<http://idl.marchetto.de/problems-exporting-fg-graphics/>

>>

>> Any suggestions where the problem might come from?

>> Notice that I have tried this with software and hardware rendering without any significant change in the results.

>> This also happens when I use image() or other FG functions.

>>

```

>> Cheers,
>> Helder
>>
>> IDL> !version
>> {
>>   "ARCH": "x86_64",
>>   "OS": "Win32",
>>   "OS_FAMILY": "Windows",
>>   "OS_NAME": "Microsoft Windows",
>>   "RELEASE": "8.5",
>>   "BUILD_DATE": "Jul 7 2015",
>>   "MEMORY_BITS": 64,
>>   "FILE_OFFSET_BITS": 64
>> }
>
> Hi,
> I just tested this on another machine and got no problem:
> IDL> !version
> {
>   "ARCH": "x86_64",
>   "OS": "Win32",
>   "OS_FAMILY": "Windows",
>   "OS_NAME": "Microsoft Windows",
>   "RELEASE": "8.5.1",
>   "BUILD_DATE": "Nov 14 2015",
>   "MEMORY_BITS": 64,
>   "FILE_OFFSET_BITS": 64
> }
>
> Either this is a 8.5->8.5.1 issue or the different hardware gives different results (what *I guess*
should not happen when using software rendering...).
>
> Cheers,
> Helder

```

It's been 7 months since I posted this and so far I haven't found a solution. The problem got worst and worst, to the point that more than 90% of my graphics exports showed the error. I've reported this at Harris and they gave me a temporary fix that is working great so far. The trick is to run IDL in Windows 7 compatibility mode.

I have a few posts with code to show the error on my (very very slowly growing) idl-blog:

<http://idl.marchetto.de/problems-exporting-fg-graphics/>
<http://idl.marchetto.de/problems-exporting-fg-graphics-2/>
<http://idl.marchetto.de/problems-exporting-fg-graphics-temporary-solution/>

I hope it helps, because it was really frustrating.

Cheers,

