
Subject: Problems saving/exporting FG

Posted by [Helder Marchetto](#) on Thu, 21 Jan 2016 17:56:01 GMT

[View Forum Message](#) <> [Reply to Message](#)

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
```

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
}
```

Subject: Re: Problems saving/exporting FG

Posted by [Helder Marchetto](#) on Thu, 21 Jan 2016 22:26:38 GMT

[View Forum Message](#) <> [Reply to Message](#)

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 0 1 1 1 0 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 i 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

Subject: Re: Problems saving/exporting FG
Posted by [Helder Marchetto](#) on Thu, 18 Aug 2016 12:07:59 GMT
[View Forum Message](#) <> [Reply to Message](#)

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 0 1 1 1 0 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,
Helder
