
Subject: Illegal operand error with window,/free
Posted by [wlandsman](#) on Mon, 11 May 2015 17:24:10 GMT
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I'm not sure when this started happening but I get a "Floating illegal operand" the first time I type "window,/free" at the command line. It doesn't happen from the IDL workbench or the second time I type it at the command line. I don't think there is anything relevant in my startup file, and I first noticed the problem when typing CGPS_OPEN. Anyone have any ideas what might be going on?

Thanks, --Wayne

```
gs66-mpb> idl
IDL Version 8.4, Mac OS X (darwin x86_64 m64). (c) 2014, Exelis Visual Information Solutions,
Inc.
Installation number: 314159.
Licensed for personal use only.
All other use is strictly prohibited.
```

```
IDL> window,/free
% Program caused arithmetic error: Floating illegal operand
IDL> window,/free
```

Subject: Re: Illegal operand error with window,/free
Posted by [Helder Marchetto](#) on Tue, 12 May 2015 08:25:57 GMT
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On Monday, May 11, 2015 at 7:24:12 PM UTC+2, wlandsman wrote:

```
> I'm not sure when this started happening but I get a "Floating illegal operand" the first time I
type "window,/free" at the command line. It doesn't happen from the IDL workbench or the
second time I type it at the command line. I don't think there is anything relevant in my startup
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> Thanks, --Wayne
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> Licensed for personal use only.
> All other use is strictly prohibited.
>
> IDL> window,/free
> % Program caused arithmetic error: Floating illegal operand
```

> IDL> window,/free

Hi,

I've tried this on win with 8.4.1 and did not get this problem:

Run startup pro. File = C:\Users\Helder\IDLWorkspace83\HelderStartup.pro

turn off !DEBUG_PROCESS_EVENTS

finish startup pro

IDL> window, /free

IDL>

[My startup "only" turns off !debug_process_events]

IDL> !version

```
{  
  "ARCH": "x86_64",  
  "OS": "Win32",  
  "OS_FAMILY": "Windows",  
  "OS_NAME": "Microsoft Windows",  
  "RELEASE": "8.4.1",  
  "BUILD_DATE": "Feb 17 2015",  
  "MEMORY_BITS": 64,  
  "FILE_OFFSET_BITS": 64  
}
```

Hope it helps...

Cheers,

Helder

Subject: Re: Illegal operand error with window,/free
Posted by [wlandsman](#) on Tue, 12 May 2015 12:03:13 GMT
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On Tuesday, May 12, 2015 at 4:25:59 AM UTC-4, Helder wrote:

> I've tried this on win with 8.4.1 and did not get this problem:

Thanks. I suspect the problem only occurs on Unix and Mac systems when running from the command line (which is unavailable on Windows systems).

Subject: Re: Illegal operand error with window,/free
Posted by [Helder Marchetto](#) on Tue, 12 May 2015 12:13:43 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Tuesday, May 12, 2015 at 2:03:14 PM UTC+2, wlandsman wrote:

> On Tuesday, May 12, 2015 at 4:25:59 AM UTC-4, Helder wrote:

>

>> I've tried this on win with 8.4.1 and did not get this problem:

>

> Thanks. I suspect the problem only occurs on Unix and Mac systems when running from the command line (which is unavailable on Windows systems).

I ran IDL from the command line in windows. In my case:

- open command prompt (windows key + r --> cmd)

- got to the idl directory, in my case

cd "Program Files\Exelis\IDL84\bin\bin.x86_64"

- rund idl by typing idl

Maybe what you meant is that it is more difficult or not usual to run programs from the command line in windows. Maybe, but I've used (a long time ago) intensive scripting (.bat files in windows) to run idl code.

And I can confirm that from the command line on windows I do not get any errors when running windows, /free.

Cheers,
Helder

Subject: Re: Illegal operand error with window,/free
Posted by [wlandsman](#) on Tue, 12 May 2015 12:47:14 GMT

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On Tuesday, May 12, 2015 at 8:13:45 AM UTC-4, Helder wrote:

> Maybe what you meant is that it is more difficult or not usual to run programs from the command line in windows.

Yes. Sorry for assuming that Windows users don't use the command line.

So now I've tried it from the command line on my Linux system

{ x86_64 linux unix linux 8.4 Sep 27 2014 64 64 }

and I *don't* see the *Illegal operand* error.

Thus, I have only seen the problem from my Mac, so far. Maybe there is something wrong with my X-windows setup (though I don't notice any other problems). --Wayne

Subject: Re: Illegal operand error with window,/free
Posted by [Burch](#) on Tue, 12 May 2015 13:19:09 GMT

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On Tuesday, May 12, 2015 at 7:47:16 AM UTC-5, wlandsman wrote:

> On Tuesday, May 12, 2015 at 8:13:45 AM UTC-4, Helder wrote:

>

>

> Thus, I have only seen the problem from my Mac, so far. Maybe there is something wrong with my X-windows setup (though I don't notice any other problems). --Wayne

FWIW, I tried on my Mac (running Yosemite) and did not get an error.

\$ idl

IDL Version 8.4, Mac OS X (darwin x86_64 m64). (c) 2014, Exelis Visual Information Solutions, Inc.

IDL> window, /free

IDL> !version

```
{
  "ARCH": "x86_64",
  "OS": "darwin",
  "OS_FAMILY": "unix",
  "OS_NAME": "MacOSX",
  "RELEASE": "8.4",
  "BUILD_DATE": "Sep272014",
  "MEMORY_BITS": 64,
  "FILE_OFFSET_BITS": 64
}
```

IDL>

-Jeff

Subject: Re: Illegal operand error with window,/free

Posted by [wlandsman](#) on Tue, 12 May 2015 13:47:23 GMT

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On Tuesday, May 12, 2015 at 9:19:10 AM UTC-4, Jeff B wrote:

>

> FWIW, I tried on my Mac (running Yosemite) and did not get an error.

Thanks. It turns out I get the error the first time I use any command requiring X-windows.

IDL> device,get_screen_size=xx

% Program caused arithmetic error: Floating illegal operand

so there must be something unusual about my X-Windows setup or screen (I use XQuartz 2.7.7 on Yosemite). Anyway it is a minor problem (an error message that appears once) so I will live with it for now.

--Wayne

Subject: Re: Illegal operand error with window,/free
Posted by [chris_torrence@NOSPAM](#) on Thu, 14 May 2015 14:30:23 GMT
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On Tuesday, May 12, 2015 at 7:47:25 AM UTC-6, wlandsman wrote:

> On Tuesday, May 12, 2015 at 9:19:10 AM UTC-4, Jeff B wrote:

>

>>

>> FWIW, I tried on my Mac (running Yosemite) and did not get an error.

>

> Thanks. It turns out I get the error the first time I use any command requiring X-windows.

>

> IDL> device,get_screen_size=xx

> % Program caused arithmetic error: Floating illegal operand

>

> so there must be something unusual about my X-Windows setup or screen (I use XQuartz 2.7.7 on Yosemite). Anyway it is a minor problem (an error message that appears once) so I will live with it for now.

>

> --Wayne

Hi Wayne,

For what it's worth, I see the same error message. I'm also using Quartz 277 on Yosemite, although I'm running IDL within the IDL Python Notebook (shameless plug for IDL 8.5).

I would ignore the error, since I have no idea how we would even attempt to fix it. :-)

-Chris

Subject: Re: Illegal operand error with window,/free
Posted by [Michael Galloy](#) on Thu, 14 May 2015 16:54:02 GMT
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On 5/14/15 8:30 AM, Chris Torrence wrote:

> For what it's worth, I see the same error message. I'm also using

> Quartz 277 on Yosemite, although I'm running IDL within the IDL

> Python Notebook (shameless plug for IDL 8.5).

Is this an iPython notebook plugin for IDL?

Mike

--

Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Subject: Re: Illegal operand error with window,/free
Posted by [chris_torrence@NOSPAM](#) on Mon, 18 May 2015 19:12:01 GMT
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On Thursday, May 14, 2015 at 10:53:08 AM UTC-6, Mike Galloy wrote:

> On 5/14/15 8:30 AM, Chris Torrence wrote:
>> For what it's worth, I see the same error message. I'm also using
>> Quartz 277 on Yosemite, although I'm running IDL within the IDL
>> Python Notebook (shameless plug for IDL 8.5).
>
> Is this an iPython notebook plugin for IDL?
>
> Mike
> --
> Michael Galloy
> www.michaelgalloy.com
> Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Yep.

Subject: Re: Illegal operand error with window,/free
Posted by [Fabzi](#) on Tue, 19 May 2015 06:50:15 GMT
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On 05/18/2015 09:12 PM, Chris Torrence wrote:

>>> For what it's worth, I see the same error message. I'm also using
>>>> >Quartz 277 on Yosemite, although I'm running IDL within the IDL
>>>> >Python Notebook (shameless plug for IDL 8.5).
>>>
>>> Is this an iPython notebook plugin for IDL?
>>>
> Yep.

Great news!

Fabien
