
Subject: Re: idl8 window size and arrow

Posted by [Michael Galloy](#) on Thu, 23 May 2013 17:14:27 GMT

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

On 5/22/13 9:28 PM, laoli wrote:

> Many thanks Mike. Your explanation about different graphics is greatly helpful.

>

> 1) I added your line of code

> ar = arrow([50, 200], [50, 50], /device, head_size=3.)

> to my test script.

>

> 1a), the word "arrow" does not change color as other function names do.

I does not in the IDL 8.2.2 Workbench either. This looks like a bug in the Workbench.

> 1b), when running it, an error message appeared:

> Unable to invoke method on NULL object reference: <OBJREF (<NullObject>)>.

I can't reproduce that error in the Workbench or from the command line (the widget system used for function graphics is different in these cases).

> 1c), when commented out your line of code, and used the Annotate tools provided at the bottom of the graphic window, all other tools (such as Text, Oval) worked fine, but the Arrow tool caused an error message:

> Unable to locate target descriptor: MANIPULATORS/ANNOTATION/ARROW

I also couldn't get that to happen.

> 2) The window size is a problem on my machine:

> { x86_64 Win32 Windows Microsoft Windows 8.0.1 Oct 5 2010 64 64 }

But I did have problems (depending on Workbench/command line):

 a) From the Workbench, I could not get the window to be only 100 pixels tall. But at least coordinates seemed correct.

 b) From the command line, the coordinate system is screwed up. The window shows up as 100 pixels tall, but to get the arrow and text to appear in the window, I had to position them at over 100 pixels (200 pixels appeared to be the center of the window, making the device coordinates of the window start at 150 and go up to 250).

Here is the code I was using:

```
pro mg_arrow_test
```

```
    w = window(window_title="My window", dimensions=[500, 100])
```

```
    t = text(50, 220, "$\it draw arrow here$", /device)
```

```
    ar = arrow([50, 200], fltarr(2) + 200., /device, head_size=3.)  
end
```

Mike

--

Michael Galloy

www.michaelgalloy.com

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

Research Mathematician

Tech-X Corporation
