
Subject: Re: Problem with text()

Posted by [Helder Marchetto](#) on Mon, 22 Jun 2015 18:43:04 GMT

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On Friday, June 19, 2015 at 10:51:08 AM UTC+2, Helder wrote:

```
> Hi,  
> I've been fighting with this for ~2 hours and I don't know where to bang my head against.  
> I have a complicated object and I start apologizing for posting such complicated lines, but I see  
no other way and don't want to leave out anything. So I have the following lines using the text()  
function and setting the position with the self.position property. I print out the self.position value  
before and then the position parameter of the text object after:  
>  
> print, 'pos before = '+string(self.position, format='("(",f0.2,"",f0.2,"")')  
> self.overlay = text(self.position[0], self.position[1], self.txtValue, /norm,  
target=self.refObj.widgets.oWin)  
> print, 'pos after = '+string(self.overlay.position, format='("(",f0.2,"",f0.2,"",f0.2,"",f0.2,"")')  
>  
> This runs 4 times and I get the following print out:  
>  
> pos before = (0.08,0.95)  
> pos after = (0.40,0.40,0.53,0.42)  
> pos before = (0.92,0.95)  
> pos after = (0.40,0.39,0.71,0.42)  
> pos before = (0.08,0.04)  
> pos after = (0.40,0.40,0.84,0.42)  
> pos before = (0.92,0.04)  
> pos after = (0.40,0.40,0.57,0.42)  
>  
> Something stupid is happening and I can't figure out what I'm doing wrong...  
>  
> Thanks for any insight,  
> Helder
```

Hi,
I've been trying some more, but can't get around this.
If I set up a test example, everything works as expected:

```
i = image(/test)  
position = [0.08,0.95]  
overlay = text(position[0], position[1], 'test', /norm, target=i.window)  
print, 'pos after = '+string(overlay.position, format='("(",f0.2,"",f0.2,"",f0.2,"",f0.2,"")')
```

Then I get as expected:
pos after = (0.08,0.95,0.12,0.98)

However, in my "longer" program, I get a very different answer and I cannot find a reason for that:

```
print, 'pos before = '+string(self.position, format='("(",f0.2,"",f0.2,"")')
```

```
self.overlay = text(self.position[0], self.position[1], self.txtValue, /norm,  
target=self.refObj.widgets.oWin)  
print, 'pos after = '+string(self.overlay.position, format='("(",f0.2,"",f0.2,"",f0.2,"",f0.2,""))')
```

Then I get this:

```
pos before = (0.92,0.04)  
pos after = (0.40,0.40,0.57,0.42)  
GRAPHICSWIN <3442>  
  BACKGROUND_COLOR      = 0  0  0  
  DIMENSIONS             = 638.000  640.000  
  EVENT_HANDLER          = <ObjHeapVar5073(GRAPHICSHANDLER)>  
  KEYBOARD_HANDLER       = "  
  MOUSE_DOWN_HANDLER     = "  
  MOUSE_MOTION_HANDLER   = "  
  MOUSE_UP_HANDLER       = "  
  MOUSE_WHEEL_HANDLER    = "  
  NAME                   = 'IDL'  
  RESOLUTION              = 0.035277778  0.035277778  
  SELECTION_CHANGE_HANDLER = "  
  TITLE                   = <NullObject>  
  WINDOW_TITLE           = "
```

Any clue why this is happening?

It seems stupid to ask for help without a working example, but I cannot create one, otherwise I would!

The window object is created inside a widget_window in widget program. There are no other lines executed between the ones shown above. One thing that I think is happening is that the coordinate system gets screwed up when resizing the window, creating image axes, ... But I cannot pin that down.

I would be grateful for any heads up on where to look.

Cheers,
Helder
