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,",",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 greatful for any heads up on where to look.

Cheers, Helder