
Subject: Re: Resizeable Graphics window

Posted by [wlandsman](#) on Thu, 17 Feb 2011 21:21:25 GMT

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On Thursday, February 17, 2011 4:01:30 PM UTC-5, wlandsman wrote:

> Below I give a test program that displays error bars, but first converts the data to device units. It works fine in a normal window, but if I create a resizeable window (i.e. test,/window) the lines are plotted incorrectly.

I should say that the problem persists even if I compute device coordinates *after* creating the resizeable graphics window. The revised code is below.

But the problem is fixed if I take David's recent suggestion and add a

```
WSet, cgQuery(/Current)
```

after the `cgplot` command.

```
pro test,window=window
```

```
x = indgen(10)
```

```
y = indgen(10)
```

```
cgplot,indgen(10),indgen(10),window=window,psym=2
```

```
; Let's do everything in device coordinates
```

```
data_low = convert_coord(x,y-0.5,/TO_DEVICE)
```

```
data_hi = convert_coord(x,y+0.5,/TO_DEVICE)
```

```
xd = data_low[0,*]
```

```
yl = data_low[1,*]
```

```
yh = data_hi[1,*]
```

```
if keyword_Set(window) then cgcontrol,execute=0
```

```
for i=0,9 do $
```

```
  cgplots,[xd[i],xd[i]],[yl[i],yh[i] ],/device, addcmd = window
```

```
if keyword_set(window) then cgcontrol,execute=1
```

```
  return
```

```
end
```
