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Subject: Re: convert\_coord & overplotting across multiple widget draw windows

Posted by [havok2063](#) on Thu, 10 Jan 2013 01:33:13 GMT

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I should also add that on subsequent clicks, the new item is still plotted in the 2nd window even though the over-plotting is breaking in the first window.

On Wednesday, January 9, 2013 8:20:08 PM UTC-5, Brian Cherinka wrote:

> I have 2 widget draw windows and I want to click and highlight in one and plot something in the other. I've managed to get the mouse coords to convert properly upon switching back and forth between windows, but when I overplot lines for highlighting, the lines, after the first call, either become shifted or do not plot at all. So something is still not quite right with the window coord system.

>

>

>

> I've set the 1 window to be the active one and I load in that window's !x, and !y so I'm not sure what else I need to do to get it to consistently overplot.

>

>

>

> My code is something like

>

>

>

> (\*pState).wDrawFlux:begin

>

> widget\_control, (\*pState).wDrawFlux, get\_value=value, get\_uvalue=uvalue

>

> case event.type of

>

> ;button press

>

> 0:begin

>

> ;left mouse button press

>

> if event.press eq 1 then begin

>

> print, 'left mouse button pressed!'

>

> wset, value

>

> !x=(\*pState).fluxd.x

>

> !y=(\*pState).fluxd.y

>

> dataxy = convert\_coord(event.x, event.y, /device, /to\_data)

```
>
> fiberid = floor(dataxy[1])
>
> print, 'Fiber id: '+strtrim(fiberid,2)
>
>
>
> ;highlight
>
> oplot, [-5000,5000], fltarr(2)+fiberid, color=!red
>
> oplot, [-5000,5000], fltarr(2)+fiberid+1, color=!red
>
>
>
> ;plot in other window
>
> widget_control, (*pState).wDrawSpec, get_value=specwin
>
> wset, specwin
>
> plot, flat[*,fiberid]
>
>
>
> dot dot dot
>
>
>
> Thanks for any help.
```

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