
Subject: Re: convert_coord & overplotting across multiple widget draw windows

Posted by [havok2063](#) on Sat, 12 Jan 2013 01:08:05 GMT

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Thanks a lot. This helps a lot. This pixmap is neat and a little confusing at the same time, especially when you're juggling them over 3 different windows back and forth. I've got it working now though, both for my over-plotting and for zooming with the rubberband zoom box. My next step is to try to add image panning.

On Wednesday, January 9, 2013 10:07:20 PM UTC-5, David Fanning wrote:

> Brian Cherinka writes:

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>> 1.) Is there an easy way to erase the previous over-plotted lines without re-plotting the whole window?

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>

> Put the basic plot in a pixmap window and use the ol' smoke and mirrors

>

> trick of Device Copy to "erase" the overplotted lines. It happens so

>

> fast no one will suspect what you are doing. It is shocking how many

>

> fabulous things can be done with such a simple technique. See the

>

> AnnotateWindow program, for example:

>

>

>

> <http://www.idlcoyote.com/catalyst/annotate.html>

>

>

>

>> 2.) How would you suggest combining a single left-click to "click and plot something" and a left-click drag a rubber-band box to create a window to zoom in on the plot? I was thinking of putting the "click+plot" on a left button release event and have the box drawing on the motion, with a condition on release that if the new mouse coords are different than the old, then it's not a single click..so do the box thing and zoom.

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> It is VERY easy for draw widget event handling code to get completely

>

> out of control if you try to be too clever. It's sometimes a lot easier

>

> to put the draw window into "modes": draw plot mode, zoom mode, make a

>
> box mode, etc. That way, you can just have different event handlers that
>
> get selected for the draw widget, depending on what mode it is in. This
>
> is a LOT easier to handle. The example above is a good example of this
>
> technique, too.
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> Cheers,
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> David
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> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
