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Subject: Re: Pre-written Modules and DWF's drawline (in particular)

Posted by [davidf](#) on Tue, 24 Nov 1998 08:00:00 GMT

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Rose (rmlongfield@my-dejanews.com) writes:

- > Anyway, I have been implementing DWF's excellent DRAWLINE.pro into an image
- > processing tool. One drawback, I found was that there was no way to get the
- > information returned from the program for analysis done somewhere else. I
- > thought that if a KEYWORD was added, such as
- >
- > drawline, image, DESTINATION\_WIDGET\_ID = tlb\_of\_another\_widget
- >
- > Then this tlb variable could be present in the info structure, then a pseudo
- > event can be sent to this tlb\_of\_another\_widget. This pseudo event would
- > contain the coordinates of an ROI, for instance. (I haven't connected this to
- > CW\_ZOOM yet, as someone on this group was trying, but I will be doing it soon)
- >
- > I like using pre-written programs since they take care of a lot of messy
- > stuff like colors and sizing. But I like even better to leave them intact,
- > i.e. not have to change them to suit particular needs.

Most of the programs found on my web page *should* be modified, for a variety of reasons. :-) But mostly because I write them as simply as I can so they can be understood.

This DrawLine program is one I wrote too simply, I think, and I have been meaning to change it. In particular, I have a pointer to the collected ROI points that gets updated for each point. This is not a very efficient method. If I were to write this program today, I would pre-allocate a number of points (say, 100) and keep a counter of how many I had. When I reached the limit, I would get another chunk of 100 points, etc. This would be *much* faster and would use memory better.

But the truth is, I haven't found a very satisfactory way of incorporating something like ROIs into programs in a completely generic way. I find I almost always incorporate this functionality directly into each program I am writing, and that each program is just slightly different from the one before. In any case, a DESTINATION\_ID is not a bad way to go, I think.

Cheers,

David

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