
Subject: Re: online visualisation with pv-wave 6.02
Posted by [Andre Lodwig](#) on Fri, 11 Apr 1997 07:00:00 GMT
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Alfred Priller wrote:

> even after switching back to the first window with wset,0. That means:
> oplot and plots still think about the last plot command, whereas it is
> the previous plot command they should be attached to.
>
> Is there any fast way to tell pv-wave what i really want?
>
> Any answer is being appreciated
>
> thanks
>

I am not absolutely sure if I got your problem right,
but I once wrote me the following two progs:

```
;  
;file: getplot.pro  
;  
; A. Lodwig, 3/95  
;  
pro setplot,a
```

```
!p = a.p  
!x = a.x  
!y = a.y  
!z = a.z  
end
```

```
function getplot
```

```
ret={,p:!p,x:!x,y:!y,z:!z} ;create an unnamed structure  
return,ret  
end
```

Just draw your first plot, then do plot1 = getplot(),
do your next plot, then plot2 = getplot() and so on.
If you wish to oplot in one of the previous plots, say
the second one, you have to do 'setplot, plot2' and all
status variables are restored.
I didn't need window switching, but you should be able
to add this to the progs.

Hope this helps,

Andre

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Subject: Re: online visualisation with pv-wave 6.02
Posted by [davidf](#) on Fri, 11 Apr 1997 07:00:00 GMT
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Stephan Puchegger <a9127383@unet.univie.ac.at> writes:

- > I need to draw different plots in different windows.
- >
- > Now my problem is:
- > I open one window and draw the axis and grid for parameter one.
- > I open another window for a different parameter with an other yrange on
- > the axis.
- >
- > Now the data comes tumbling in from the machine -> this is to be plotted
- > in the first window, but pv-wave stays with the yrange of the last plot,
- > even after switching back to the first window with wset,0. That means:
- > oplot and plots still think about the last plot command, whereas it is
- > the previous plot command they should be attached to.
- >
- > Is there any fast way to tell pv-wave what i really want?

You have to save the plot parameters established for the various windows if you want to go back to those windows (plots, really) and overplot on them. In practice this usually means keeping track of the !P, !X, and !Y system variables for each window. The sequence of commands might look like this:

 ; Plot first plot in window 1. Store plot parameters.

Window, 1

Plot, data
p1=!P & x1=!X & y1 !Y

; Plot first plot in window 2. Store plot parameters.

Window, 2
Plot, moredata
p2=!P & x2=!X & y2 !Y

; Return to window 1, restore window 1 parameters and overplot.

WSet, 1
!P=p1 & !X=x1 & !Y=y1
OPLOT, stillmoredata

Cheers!

David

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