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Subject: Re: GUI in IDL or PV-WAVE

Posted by [Vroom Buddy](#) on Wed, 25 Nov 2009 16:04:52 GMT

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Hi David,

Thanks for the quick reply and you are quite correct, I'm not a programmer. I have some knowledge of programming from the "good old days" but no OO experience. However, I am an expert user of this type of software and I will be heavily involved in the design process. My programmer colleagues will actually do the spade work and I would like to find them a development environment that they are happy to use and that produces good results efficiently and quickly.

One very important feature of the new software that myself and other expert users need is a way of customising the application whilst we are using it, e.g. via a macro or a scripting language and this has helped to prompt our interest in both PV-WAVE and IDL.

Our GUI would need to be quite complicated though, particularly when analysing the data. We like to graphically interact with the data and would need rubber band rectangles and lasso tools to select data and then various other tools to carry out operations on the data. As all of our data is time based, we also like to use "data brushing". This is where we might have three or four X-Y plots open for viewing with one of them in focus for editing. If we highlight data on the main X-Y plot between certain times, we would like to see a similar highlight automatically appear on the background plots between the same times. If this sort of thing can be done relatively easily and can be made to look "sexy" in Windows, then IDL might be the way to go for us.

Regards,

John

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