
Subject: PV-WAVE widgets

Posted by [patel](#) on Wed, 06 Jan 1993 17:58:20 GMT

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I have seen postings on this net concerning IDL widgets but none concerning the PV_WAVE widgets. I was wondering if anyone out there has tried out WAVE widgets. I am running PV-WAVE CL 4.01 with widgets. I like the ease of programming these widgets. Moreover, we can use any of the Motif (or OL) widgets also apart from the Wave widgets and also mix them. I don't know if same things hold true for IDL widgets. IDL user? Only thing I dislike is passing the parameters by common block. The program looks like FORTRAN programs and I hate the common blocks. I was wondering if PV-WAVE can come up with something like a global declarations. This might ease a bit the parameter passing and make it easy to add/delete parameters to be passed.

I was wondering if someone out there can summarize the pros and cons of IDL and WAVE widgets.

Maqbool Patel

Subject: Re: PV-WAVE widgets

Posted by [joslyn](#) on Sun, 17 Jan 1993 01:22:22 GMT

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> One thing I was unclear on about PV-WAVE widgets: widget routines written in
> IDL are completely portable between Motif and OpenLook. Routines written on a
> Motif system can be run on an OpenLook system without any software changes.
> The application takes on the look and feel of the native system. Supposedly
> this will be extended to Microsoft Windows as well. Is the same true about
> PV-WAVE, or is one making explicit calls to either the Motif or OpenLook
> development libraries?

The widgets can be programmed in such a way (using the Ww* interfaces) so that the widgets are completely portable between windowing systems. However, even without using these interfaces, most of the time both types of widgets can be used in both systems.

- Chris

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----- Purgamentum Init, Exit Purgamentum -----

Christopher M. Joslyn

Voice - (303) 449-5497

University of Colorado - Boulder

joslyn@spot.Colorado.EDU

Computer Science//CB 430//80310

Subject: Re: PV-WAVE Widgets
Posted by [peter](#) on Mon, 26 Sep 1994 16:14:31 GMT
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Andre Csillaghy (csillag@iem.ee.ethz.ch) wrote:
: Does somebody knows in what extent the widgets in PV-WAVE (WAVE Widgets) and
: the Widget Toolbox are compatible with the corresponding toolboxes of IDL ?

Not even a little bit. PV-Wave is based pretty closely on Motif, IDL is their own toolkit (which, somewhere underneath, calls Motif on certain Unix boxes). From using them both, PV-Wave's is more powerful, since you can get at the underlying routines; IDL's is easier to use and substantially more compact to code. YMMV, of course.

Peter

Subject: Re: PV-WAVE Widgets
Posted by [miller](#) on Mon, 26 Sep 1994 18:09:13 GMT
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Andre Csillaghy wrote:
: Does somebody knows in what extent the widgets in PV-WAVE (WAVE Widgets) and
: the Widget Toolbox are compatible with the corresponding toolboxes of IDL ?

The two toolboxes are completely independent. You cannot just take IDL widgets and run them in PV-WAVE or vice-versa. However, I have done quite a bit of widget programming in both, and I find that it does not take too much effort to convert one into another, depending on what types of widgets you are using and the complexity of your application.

--

Gordon Miller	Miller@uap.nrl.navy.mil	
SFA, Inc	"Lobt Gott!"	--+--
Naval Research Lab, Wash DC		

I smile because I have no idea what's going on.

Subject: Re: PV-WAVE Widgets
Posted by [bertin](#) on Mon, 03 Oct 1994 12:40:22 GMT
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In article <366b98\$dha@elna.ethz.ch> csillag@astro.phys.ethz.ch writes:
> Does somebody knows in what extent the widgets in PV-WAVE (WAVE Widgets) and
> the Widget Toolbox are compatible with the corresponding toolboxes of IDL ?
>
>

> -- Andre

Not at all. IDL widgets are easier to use, but PV-WAVE widgets are more powerful. WAVE widgets give you more control by allowing more direct interaction with Xlib. If you're planning on doing some serious UI work with WAVE widgets, be sure that you have an Xlib reference handy.

Scott J. Bertin
bertin@euler.cpi.com
