
Subject: Re: More Joy of Widgets
Posted by [wonko](#) on Sat, 28 Jun 1997 07:00:00 GMT
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struan.gray@sljus.lu.se (Struan Gray) wrote:

>> Jonathan Rogness <rogness@NO.sg1.SPAM.cr.usgs.gov> sez:
>>>
>>> I'd be interested in hearing some of these people speak up, just
>>> because I'm curious about how exactly they incorporate widgets into
>>> their research.
[...]

> put together a widget for the user interface. My only complaint is
> that recovering from a bug-induced crash seems much much harder if the
> xmanager is running (and 4.01 has some nasty xmanager bugs on my PCI
> Macintosh) so functional routines tend to get fairly thoroughly
> debugged before I'll call them from a widget.

I only run into problems with the xmanager if it wants to call a routine
I didn't define yet. When other errors occur, I just type RETURN and the
program usually continues.

My widget programs usually consist of few .pro files. For a program xyz I
have XYZ as startup file, a short xyz_init.pro, a xyz_widgets.pro for
defining and changing widgets, a xyz_events.pro with all event handling
procedures and xyz.pro with general routines. During the programming
period I have a STOP button somewhere in my application with an event
handler 'stop_event' (defined in xyz_init.pro, not in xyz_events.pro),
which just puts me back to the command line via the STOP command. From
there it's nice I can inspect all variables, but the greatest advantage
is that I can even re-compile program code and continue.
When a routine crashes, RETURN almost always puts me back in to the main
event loop. Then I go to the command line, fix the bug, recompile the
changed file with .COMP, and continue after an RETURN.
Or I can add new widgets, add an event handling routine to
xyz_events.pro, recompile it and continue.

It's just annoying that sometimes I get 'Structure nested too deeply'
errors, after too many crashes and returns. I hope this will be gone with
5.0, I don't think those errors are my fault.

Alex

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