Subject: Re: Automatic button pressing:is there a way?
Posted by rivers on Sun, 01 Oct 1995 07:00:00 GMT
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In article <30SEP199520411554@siva.bris.ac.uk>, phtmh@siva.bris.ac.uk (TOM HILLER) writes:
> I want to have my widget press one of its own buttons
> at regular intervals, about once a second. Is this possible
> in PV-WAVE 5.00b, on a SGI Power Challenge XL?
>
> The reason I want to do this; I have a complicated data set which
> can be fitted by a model. The fitting takes a good fraction
> of a second, and I want to be able to vary parameters with sliders,
> watch how the fitting looks on the screen, and get a number for the
> fit as I go along. I have set up the sliders, the data display, and
> the redrawing of the fit, but the widget is unuseable if I get it
> to re-calculate the fit on every slider event. At the moment I use
> a button to get the fit number, but this is a pain. Can I get it
> to calculate the fit once a second, i.e. press its fit button
> itself?
>
> P.S. We also have IDL 3.6.1a on a DEC Alpha, should I use this? I
> have not tried to program IDL widgets yet.

In IDL there are two ways you might achieve what you want to do:

- Use widget timer events. You can get a timer event delivered to your event
  handler every 1 second. You can recalculate your fit on receipt of these
  events.

- Use the cw_fslider widget, asking only for mouse release events. This way
  you don't get all of the events as the user drags the slider, only when he
  releases it. This cuts down the number of times the fit would be calculated.

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