
Subject: Re: Interrupting widget applications
Posted by [haimov](#) on Fri, 24 Jan 1997 08:00:00 GMT
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In article <5c8dlj\$996@post.gsfc.nasa.gov>, hegde@news.gsfc.nasa.gov says...

>
> Thanks for your suggestion. Although it works for a simple for loop, this
> type of implementation goes out of hand for multiple loops or recursive
> operations. And if it is required to monitor within a time consuming loop,
> I have to find another way.
>
> My need is to have an interrupt button in the main application window and
> it interrupt anything going on in other windows (display windows, printer
> gizmos etc.,).
>
> So far the most convenient method I have found out is to monitor the event
> queue with WIDGET_EVENT(interrupt button) wherever the interrupt is desired
> and proceed accordingly. Any suggestion is appreciated.
>
> Thanks,
>
> -M. Hegde
> hegde@neptune.gsfc.nasa.gov

I have similar experience, although I have not put much efforts to come up with a good algorithm based on using TIMER.

My application uses widgets for a real-time radar display. It can show several different images on one or two windows and includes various widget controled features. The main reason I am using widget_event to handle widgets is the fact that my main loop is controled by the radar data acquisition system (non-IDL program) and I want the interrupts to be based on the DAQ behaviour rather than on time intervals by TIMER.

I also have a complex situations, which include needs for cancelations.
I control all of them through a DESTROY/CANCEL button on my main widget.

If you would like to see my code send me an email. It is relatively big set of routines (about 1200 lines, not including external routines). This is my first serious work with widgets and I am sure I am far from being an expert. Nevertheless it works nicely.

I am curious to know if I should make any efforts to avoid using widget_event even if TIMER is not the natural thing to do.

Cheers, Sam

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