
Subject: Re: collecting data files

Posted by [Benjamin Hornberger](#) on Wed, 13 Jul 2005 14:59:37 GMT

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clive_cook59@hotmail.com wrote:

> Hi,

>

> I am trying to design a program which collects data and then adds this
> data to an updating contour plot. Thanks to some recent help on this
> forum i know how to produce the updating contour plot, however my
> problem is now collecting the data. Basically what happens is that a
> new data file arrives every 3 seconds and i want to collect that and
> append it to my plot.

>

> I have done this before by using the while statement, however now i
> need to do something similar except i have a GUI interface. I would
> like to be able to interrupt the data collection and resume it. I tried
> using the while statment however i get stuck in the loop.

I a GUI, I think you would use a timer event to check for new data at regular intervals. Ask again if you need more information.

Benjamin

Subject: Re: collecting data files

Posted by [clive_cook59](#) on Thu, 14 Jul 2005 17:52:53 GMT

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Ok, so how do i write a timer event?

thanks

Clive

Subject: Re: collecting data files

Posted by [Benjamin Hornberger](#) on Thu, 14 Jul 2005 18:41:13 GMT

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clive_cook59@hotmail.com wrote:

> Ok, so how do i write a timer event?

>

Choose some widget in your GUI to generate the timer event. With

widget_control, id, timer=x

you will generate a timer event in that widget in x seconds. Note that this happens only once, so for a continuous timer you have to include this line of code again in the event handler itself.

To distinguish the timer event from other events: The most simple thing is to choose a widget which otherwise doesn't generate events, like a label widget. Otherwise, you have to check the event structure name in the event handler for 'WIDGET_TIMER'.

Check the IDL reference for the TIMER keyword to WIDGET_CONTROL for more information, or go to Programming in IDL -> Creating Graphical User Interfaces -> Widget Application Techniques.

Benjamin

Subject: Re: collecting data files
Posted by [Rob Dimeo](#) on Thu, 14 Jul 2005 18:46:23 GMT
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Take a look at the following NG posting:

<http://tinyurl.com/8x767>

There's a short program that shows how to implement a timer event in a widget program.
