
Subject: Re: passing parameters from base to base
Posted by [R.Bauer](#) on Fri, 22 Nov 2002 15:37:31 GMT
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Gert wrote:

> Hi,
>
> I've been trying to figure this one out for a while. I have 2 bases. If in
> Mainbase the button Set is pushed, a second base SetParams is called. Stuff
> happens there and the idea is that if SetParams is killed, a series of
> numbers go back to Mainbase. Now how can you write this neatly, so that the
> code for the SetParams can easily be used in other progs?
> These are my thoughts:
> I could pass a pointer to SetParams that keeps the desired data, but how
> does Mainbase knows that
> SetParams is killed and that it needs to update its fields?
> I looked at the examples for compound widgets (e.g. cw_defroi) and these do
> the trick but they do not use xmanager. Is this the only way.
>
> thx for any help,
>
> Gert
>
>
>
>

Dear Gert

this is a small example how to exchange data.

The trick is to give all the widget functions a UNAME then you can get access to each of them by widget_info at every program state.

You have only to know the top level base id.

If you use uname you can save and restore data from uvalue of each element. This is pretty fine.

If you like to have more examples you can have a look at wid1 to wid5 in the widget explanation at

http://www.fz-juelich.de/vislab/software/idl_samples/IDL-Bei spielsammlung.html

These are the examples from our idl lessons at FZ Juelich.

PRO small_widget_event,event

```
name=WIDGET_INFO(event.id,/UNAME)
PRINT,name
```

```
WIDGET_CONTROL,event.top,get_uvalue=data
```

```
CASE name OF
  'QUIT': WIDGET_CONTROL,event.top,/destroy
  'START': BEGIN
    WIDGET_CONTROL,get_value=wid,$
    WIDGET_INFO(event.top,find_by_uname='DRAW')
    WSET,wid
    TVSCL,*data
  END
  'SLIDER' :BEGIN
    WIDGET_CONTROL,event.id,get_value=value
    TVSCL,*data<value
  END
  ELSE:
ENDCASE
```

```
END
```

```
PRO small_widget
  data=PTR_NEW(DIST(256))
  base=WIDGET_BASE(col=2,title='variables between widgets',$
    uvalue=data)
  id=WIDGET_BUTTON(base,value='START',uname='START')
  id=WIDGET_BUTTON(base,value='QUIT',uname='QUIT')

  base2=WIDGET_BASE(base,row=1, $
    title='variables between widgets')
  id=WIDGET_DRAW(base2,retain=2,xsize=256,ysize=256,$
    uname='DRAW')
  id=WIDGET_SLIDER(base2,/vertical,min=1,$
    max=255,value=255,uname='SLIDER')

  WIDGET_CONTROL,/realize,base
  XMANAGER,'small_widget',base
  PTR_FREE,data
```

```
END
```

```
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```

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