Subject: Re: widget positioning
Posted by Liam Gumley on Thu, 30 Dec 1999 08:00:00 GMT
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Paragraph wrapping drives me crazy....

Try this instead:

```
;---cut here---
PRO WIDGET_CENTER, ID, PARENT=PARENT

;+
; NAME:
;     WIDGET_CENTER
;
; PURPOSE:
;     Center a widget on the screen,
;     or over an existing widget.
;
; CATEGORY:
;     Widgets.
;
; CALLING SEQUENCE:
;     WIDGET_CENTER, ID
;
; INPUTS:
;     ID        ID of the widget to be centered.
;
; KEYWORD PARAMETERS:
;     PARENT    ID of an existing widget over which
;               the widget should be centered.
;
; OUTPUTS:
;     None.
;
; EXAMPLE:
;base = widget_base()
;label = widget_label(base, value='Hello world')
;widget_center, base
;widget_control, base, /realize
;
; MODIFICATION HISTORY:
; Written by:   Liam.Gumley@ssec.wisc.edu
; $Id: widget_center.pro,v 1.2 1999/11/15 22:58:27 gumley Exp $
;-

;- Check arguments
```

```
if n_elements(id) eq 0 then $
  message, 'Argument ID is undefined'
if widget_info(id, /valid_id) eq 0 then $
  message, 'Argument ID is invalid'
if n_elements(parent) eq 0 then parent = 0L

;- Get widget size

geometry = widget_info(id, /geometry)
xsize = geometry.scr_xsize + (2 * geometry.margin)
ysize = geometry.scr_ysize + (2 * geometry.margin)

;- Get center position of parent or screen

if widget_info(parent, /valid_id) then begin
  parent_geometry = widget_info(parent, /geometry)
  parent_xsize = parent_geometry.scr_xsize + $
    (2 * parent_geometry.margin)
  parent_ysize = parent_geometry.scr_ysize + $
    (2 * parent_geometry.margin)
  xcenter = parent_geometry.xoffset + parent_xsize / 2
  ycenter = parent_geometry.yoffset + parent_ysize / 2
endif else begin
  device, get_screen_size=screen_size
  xcenter = screen_size[0] / 2
  ycenter = screen_size[1] / 2
endelse

;- Compute offsets

xoffset = xcenter - (xsize / 2)
yoffset = ycenter - (ysize / 2)

;- Center the widget

widget_control, id, xoffset=xoffset, yoffset=yoffset

END
;---cut here---
```

Cheers,
Liam.

--
Liam E. Gumley
Space Science and Engineering Center, UW-Madison
http://cimss.ssec.wisc.edu/~gumley

Subject: Re: widget positioning
Posted by Liam Gumley on Thu, 30 Dec 1999 08:00:00 GMT
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Patty Howell wrote:
> How do you position widgets on the screen? Every time I run the
> procedure, the baseId appears in a different location, sometimes covered
> up by another window.

Try this:

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;---cut here---
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;+
; NAME:
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;
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;     WIDGET_CENTER, ID
;
; INPUTS:
;     ID        ID of the widget to be centered.
;
; KEYWORD PARAMETERS:
;     PARENT    ID of an existing widget over which the input widget
;               should be centered.
;
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;- Compute offsets

xoffset = xcenter - (xsize / 2)
yoffset = ycenter - (ysize / 2)

;- Center the widget

widget_control, id, xoffset=xoffset, yoffset=yoffset

END
;---cut here---
```

Cheers,
Liam.

--
Liam E. Gumley
Space Science and Engineering Center, UW-Madison
http://cimss.ssec.wisc.edu/~gumley

Subject: Re: widget positioning
Posted by on Tue, 04 Jan 2000 08:00:00 GMT
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Patty Howell wrote:

> Hi All,
> Dumb widget question #547:
> How do you position widgets on the screen? Every time I run the
> procedure, the baseId appears in a different location, sometimes covered
> up by another window.
> Thanks!
> Patty

hello Patty,
my code looks like this:

```
WID_BASE_0 = Widget_Base( GROUP_LEADER=wGroup, UNAME='WID_BASE_0'  $
      ,YOFFSET=500 ,SCR_XSIZE=453 ,SCR_YSIZE=246 ,TITLE='IDL-Wu'  $
      ,SPACE=3 ,XPAD=3 ,YPAD=3, TLB_FRAME_ATTR=11)
```

you need the XOFFSET, YOFFSET relatively to the monitor screen.

I would like to know the window-number of that widget-window. Who knows it?

Hans.