
Subject: Problems with draw_xsize keyword in widget_control

Posted by [ldorffne](#) on Tue, 09 Jan 1996 08:00:00 GMT

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I have problems with the 'draw_xsize' and 'draw_ysize' keywords in widget_control. As the manual says those keywords can be used to change the width and height of the drawable area for scrolling draw widgets. With the keywords 'scr_xsize' and 'scr_ysize' I only can change the viewport size.

Example (see also Program-Code below):

If I have a scrolling draw widget with a size of 500 and a scroll_size of 300 I can display a 500x500 image and use the scrollbars to move around. If now I want to load an image with 600x600 pixels I have to enlarge the viewport size using the command 'widget_control, widget_id, scr_xsize=600, scr_ysize=600'. But also I now have a larger viewport the drawable area is still 500x500. So I want to use the command 'widget_control, widget_id, draw_xsize=600, draw_ysize=600' to also enlarge the drawable area. But the result is absolutely not what I expected and what I wanted.

I am doing something wrong or is there a bug in the 'draw_x/ysize' keywords?
Any hint would be very helpfull.

Thanks in advance,
Lionel

Here is the Program-Code to check this problem.

;Select a new image size with the slider and then press a button in the
;drawing area to generate the image.

```
pro test_events, event
  type = widget_info(event.id, /type)
  IF type EQ 1L THEN $ ;button event
  WIDGET_CONTROL, event.top, /destroy
  IF type EQ 4L THEN BEGIN ;draw event
    IF event.type EQ 0 THEN BEGIN ;button pressed
      WIDGET_CONTROL, event.id-1, get_value=anz
    ; print,anz*100
    ima = lindgen(anz*100,anz*100)
    erase
    WIDGET_CONTROL, event.id, scr_xsize=anz*100 ;set new screen_size
    WIDGET_CONTROL, event.id, scr_ysize=anz*100
  ;Up to now everything is working well
    WIDGET_CONTROL, event.id, draw_xsize=anz*100 ;set new graphic region
    WIDGET_CONTROL, event.id, draw_ysize=anz*100
    tvscl, ima
  ENDIF
  ENDIF
END
```

```
pro test
  base = WIDGET_base(/COLUMN)
  slider = WIDGET_slider(base, minimum=2, maximum=8, value=4)
  draw = WIDGET_draw(base, scr_xsize=500, scr_ysize=500, x_scroll_size=300, $
y_scroll_size=300, retain=2, /BUTTON_EVENTS, /SCROLL)
  button = WIDGET_button(base, value='QUIT')
  WIDGET_CONTROL, /realize, base
  ima = lindgen(400,400)
  tvscl,ima
  XManager, "test", base, EVENT_HANDLER = 'test_events', group = group
END
```

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