
Subject: y_width of xyouts

Posted by [R.Bauer](#) on Tue, 26 Oct 1999 07:00:00 GMT

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Hi,

I like to know exactly the y_width of a text in normal coordinates.
I have written a small routine which unfortunately don't run with all
devices set.

Any other ideas are welcome

I know already !D.Y_CH_SIZE but its only useful on some windows systems.

```
FUNCTION y_width,text,x_width=width,_extra=e
  old_dev=!d.name
  IF STRUPCASE(!version.os_family) EQ 'WINDOWS' THEN dev='win' ELSE
dev='x'
  SET_PLOT,dev
  WINDOW,/free,/pixmap,retain=0
  WSET,!D.WINDOW

  XYOUTS,0,0.5,text,/NORM,width=width,color=1,charthick=10,alignment=alignment,_extra=e

  image=TVRD()

  SET_PLOT,old_dev
  !p.background=255
  !p.color=0
  dim=SIZE(image,/dim)
  idx=WHERE(image EQ MAX(image))/dim[0]
  y_width=(FLOAT(MAX(idx))-FLOAT(MIN(idx)))/FLOAT(dim(1))
  WDELETE,!D.WINDOW
  RETURN,y_width
END
```
