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Subject: How to rotate a figure in PLOT?

Posted by [caitouer](#) on Mon, 01 May 2006 02:50:25 GMT

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Hi, all,

I still do not figure out how to solve this. Hopefully

I could get some hints here.

I set my output as 'ps'. I want to plot three plots  
in one page. Here is the basic idea:

----- --  
set\_plot,'ps'

device,filename=..., /landscape

;plot the first figure

plot, x1, y1, position=[0.0,0.0,0.7,0.7]

;plot the second figure: histogram of x1

plot, x1, PSYM=10, position=[0.0,0.71,0.7,1.0]

;plot the third figure: histogram of y1

;I HAVE BIG PROBLEMS HERE. I want to plot this

;by rotation of 90 degrees (similar as portrait). I tried

;to simply exchange the order of x, y paramters but

;it does not work. By the way, /orientation is not accepted

;in plot.  
  
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Thanks for kindly help,

Caitouer

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Subject: Re: How to rotate a figure in PLOT?

Posted by [caitouer](#) on Wed, 03 May 2006 17:20:01 GMT

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Do anybody have an idea why this happens?

Thanks for any hint,

Caitouer

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Subject: Re: How to rotate a figure in PLOT?

Posted by [caitouer](#) on Tue, 09 May 2006 14:33:24 GMT

Hi, all,  
I figure out how to do this. I post it here in case  
anyone need it.

```
;-----  
;I set minimum and maximum to do histogram  
;-----  
mbinsize=10  
hist=HISTOGRAM(Bx, binsize=mbinsize, min=0.0, max=200.0)  
npts=N_ELEMENTS(hist)  
bins=FINDGEN(n_elements(hist))*mbinsize+0.0  
  
hist_x=FLTARR(2*npts+2) & hist_y=FLTARR(2*npts+2)  
FOR i=0, npts-1 DO BEGIN  
    hist_x(i*2)=bins(i)  
    hist_x(i*2+1)=bins(i)  
    hist_y(i*2+1)=hist(i)  
    hist_y(i*2+2)=hist(i)  
ENDFOR  
hist_x(2*npts)=bins(npts-1) & hist_x(2*npts+1)=bins(npts-1)  
hist_y(2*npts+1)=0 & hist_y(0)=0  
hist_x=REVERSE(hist_x, /overwrite)  
hist_y=REVERSE(hist_y, /overwrite)  
  
PLOT, hist_y, hist_x, pos=[0.76,0.0,1.0,0.74]
```

```
;-----  
_____
```