
Subject: Re: Changing the labels orientation
Posted by [Robi](#) on Tue, 29 May 2007 08:11:03 GMT
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Hi there Hervé,

Here's how you could do it in an almost general fashion:

```
x = findgen(100)*1d19
y = sqrt(x)
charsize=2.0
; PLOT THE DATA, DON'T LABEL THE X AXIS AND RETURN THE XTICK VALUES...
plot, x, y, XTICKFORMAT='(A1)', XTICK_GET=xticks, YMARGIN=[9,2], $
    CHARSIZE=charsize
; CONVERT THE XTICK VALUES TO NORMALIZED POSITION...
xtickpos = !x.s[0] + !x.s[1]*xticks
; GET THE CHARACTER HEIGHT AND WIDTH IN NORMALIZED COORDINATES...
y_ch_size = charsize * float(!d.y_ch_size) / !d.y_vsize
x_ch_size = charsize * float(!d.x_ch_size) / !d.x_vsize
; PUT THE LABELS AT THE APPROPRIATE TICK POSITIONS...
xyouts, xtickpos+0.5*x_ch_size, !y.window[0]-0.5*y_ch_size, /NORM,
xticks, $
    ALIGN=1.0, ORIENTATION=90.0, CHARSIZE=charsize
```

It sounds like in your case you already have the value of xticks and rather than retrieving xticks via XTICKS_GET, you'll probably be specifying the tick values immediately using XTICKS and XTICKV. You can change the ORIENTATION to 45 to save a little more room for the plot.

Hope this helps! Best -Tim.
