
Subject: Re: Log axis tickvalue format

Posted by [Markus Reichstein](#) on Wed, 20 Sep 2000 07:00:00 GMT

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Surendar,

I'm not aware of a simple and elegant solution, i.e. without doing everything by yourself. However, the following short procedure might serve as a starting point, albeit far from being mature. . I needed it once, and it was OK for my purposes.

Every order of magnitude is labeled, which causes space problems if the data range is more than 10 orders of magnitude or so. Then the number of 'tickVals' has to be reduced

Cheers,
Markus

PRO logPlot, x,y

```
;**** Normal wave ticks
plot_oo, x,y, psym=-2
hak
xc=!x.crange & yc=!y.crange

;**** self-made ticks
ytickVals=indgen(yc(1)-yc(0)+1)+yc(0)
yticknames='10!U'+string(ytickVals, form='(I2)')+'!N'

xtickVals=indgen(xc(1)-xc(0)+1)+xc(0)
xticknames='10!U'+string(xtickVals, form='(I2)')+'!N'

plot_oo, x,y, psym=-2, xrange=10.^xc, yrange=10.^yc,$
  ytickname=yticknames, ytickv=10.^ytickVals,
  yticks=N_ELEMENTS(ytickVals)-1,$
  xtickname=xticknames, xtickv=10.^xtickVals,
  xticks=N_ELEMENTS(xtickVals)-1
```

END

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