Subject: Re: log plot

Posted by Norbert Hahn on Mon, 19 Oct 2009 12:00:53 GMT

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Thibault Garel <thibaultgarel@gmail.com> wrote:

> Hi,

>

> i am making a plot as follows:

>

> plot,x,y,psym=10,yr=[1.d-8,1.],/ylog

>

> and the graduation does not appear on the y axis whereas it does when

> i change the y range:

Same here.

>

> plot,x,y,psym=10,yr=[1.d-6,1.],/ylog

The distance between the tick mark for 9 and 10 is really short for 6 decates and that could be the reason that the minor tick marks are suppressed when you plot over 8 decates.

Please try

plot,x,y,psym=10,yr=[1.d-8,1.],/ylog,ytickinterval=0.5

or other values for ytickinterval and see if it works for you.

- > So, does anybody know how i can fix this? and for the first case, how
- > sould i read the y axis, thats to say even if the graduation does not
- > appear, is it still a log scaling?

The scaling is log when you request /ylog. It can easily be verified by plotting some test numbers, i.e.

plot,[1e-7,3e-5,2e-6,0.5],psym=10,yr=[1.d-8,1.],/ylog,yticki nterval=0.5

HTH Norbert

Subject: Re: log plot

Posted by Jean H. on Mon, 19 Oct 2009 13:41:49 GMT

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Thibault Garel wrote:

> Hi,

```
>
  i am making a plot as follows:
>
> plot,x,y,psym=10,yr=[1.d-8,1.],/ylog
>
> and the graduation does not appear on the y axis whereas it does when
  i change the y range:
>
  plot,x,y,psym=10,yr=[1.d-6,1.],/ylog
>
> So, does anybody know how i can fix this? and for the first case, how
> sould i read the y axis, thats to say even if the graduation does not
> appear, is it still a log scaling?
> Thanks a lot!
hi, try
plot,x,y,psym=10,yr=[1.d-8,1.],/ylog, Ystyle = 1
```

Jean

Subject: log plot

Posted by Thibault Garel on Tue, 20 Oct 2009 13:49:17 GMT

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Hi,

i am making a plot as follows:

plot,x,y,psym=10,yr=[1.d-8,1.],/ylog

and the graduation does not appear on the y axis whereas it does when i change the y range:

plot,x,y,psym=10,yr=[1.d-6,1.],/ylog

So, does anybody know how i can fix this? and for the first case, how sould i read the y axis, thats to say even if the graduation does not appear, is it still a log scaling?

Thanks a lot!