
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 decades and that could be the reason that the minor tick marks are suppressed when you plot over 8 decades.

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
> could i read the y axis, that is 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,ytickinterval=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!
