
Subject: Re: Secondary axis in NG

Posted by [lecacheux.alain](#) on Mon, 17 Jan 2011 15:44:03 GMT

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On 17 jan, 13:34, Wox <s...@nomail.com> wrote:

> Hi all,
>
> How do I add a secondary axis to a plot in new graphics (i.e. like
> this in direct graphics:http://www.dfanning.com/tips/another_yaxis.html)?
>
> This is as far as I got:
> x = FINDGEN(100)
> theta = x/5
> curve = SIN(x/5) / EXP(x/50)
> p=plot(x,curve)
> p=plot(x,theta,/current,COLOR='ff00'x!,YCOLOR='ff00'x!,YTEXT POS=1,YLOG=1)
>
> I want the second axis to be logarithmic and to the right-hand side of
> the plot. I also want to suppress the right Y-axis in the first plot
> and the left Y-axis in the second plot. Any ideas?

```
x = FINDGEN(100)
theta = x/5
curve = SIN(x/5) / EXP(x/50)
p1=plot(x,curve, AXIS_STYLE=1)
p2=plot(x,theta,/
current,COLOR='ff00'x!,YCOLOR='ff00'x!,YTEXTPOS=1,YLOG=1,
AXIS_STYLE=0)
px = axis(TARGET=p2,'Y', LOCATION=[x[-1],theta[0]], /DATA, TEXTPOS=1)
```

comments:

AXIS_STYLE=1 suppresses the right-hand side axis in first plot

AXIS_STYLE=0 suppresses all axes in second plot

the NG axis function draws an axis at the location you like.

TARGET allows the axis to be attached to the right plotting object.

alx.

Subject: Re: Secondary axis in NG

Posted by [Wout De Nolf](#) on Mon, 17 Jan 2011 15:50:24 GMT

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On Mon, 17 Jan 2011 07:44:03 -0800 (PST), alx
<lecacheux.alain@wanadoo.fr> wrote:

> x = FINDGEN(100)
> theta = x/5
> curve = SIN(x/5) / EXP(x/50)

```
> p1=plot(x,curve, AXIS_STYLE=1)
> p2=plot(x,theta,/
> current,COLOR='ff00'xl,YCOLOR='ff00'xl,YTEXTPOS=1,YLOG=1,
> AXIS_STYLE=0)
> px = axis(TARGET=p2,'Y', LOCATION=[x[-1],theta[0]], /DATA, TEXTPOS=1)
```

Thanks! For some reason I missed the axis function of NG.
