
Subject: Re: Adding straight lines to a plot
Posted by [Gray](#) on Fri, 12 Nov 2010 14:37:02 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Nov 12, 9:32 am, Paul van Delst <paul.vande...@noaa.gov> wrote:

> David Fanning wrote:

>> fgg writes:

>

>>> Is there a function in IDL to add a straight line through an existing
>>> plot? Something like the 'abline' function in R, where all you need is
>>> to specify the y-value for a horizontal line (or the x-value for a
>>> vertical line).

>

>> Here you go.

>

>> PRO ABLine, value, \$

>> VERTICAL=vertical, \$

>> LINESTYLE=linestyle, \$

>> THICK=thick, \$

>> COLOR=color

>

>> IF N_Elements(color) EQ 0 THEN color = 'white'

>

>> IF Keyword_Set(VERTICAL) THEN BEGIN

>> PLOTS, [value, value], [!Y.CRange[0], !Y.CRange[1]], \$

>

> why not simply

> PLOTS, [value, value], !Y.CRange, \$

>

>> LINESTYLE=linestyle, THICK=thick, \$

>> COLOR=FSC_Color(String(color))

>> ENDIF ELSE BEGIN

>> PLOTS, [!X.CRange[0], !X.CRange[1]], [value, value], \$

>

> and similarly

> PLOTS, !X.CRange, [value, value], \$

>

> ?

>

>

>

>

>

>

>

>

>> LINESTYLE=linestyle, THICK=thick, \$

>> COLOR=FSC_Color(color)

>> ENDELSE

```
>  
>> END  
>  
>> Cheers,  
>  
>> David
```

You can do the same thing in NG with `polyline(/data)`, where `xrange` and `yrange` are properties of the graphic object.
