
Subject: Re: Adding straight lines to a plot
Posted by [Paul Van Delst\[1\]](#) on Fri, 12 Nov 2010 14:32:38 GMT
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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
```

>

>
