
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
```

>
>
