
Subject: Re: Adding straight lines to a plot
Posted by [David Fanning](#) on Thu, 11 Nov 2010 23:02:35 GMT
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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]], $  
      LINESTYLE=linestyle, THICK=thick, $  
      COLOR=FSC_Color(String(color))  
  ENDIF ELSE BEGIN  
    PLOTS, [!X.CRange[0], !X.CRange[1]], [value, value], $  
      LINESTYLE=linestyle, THICK=thick, $  
      COLOR=FSC_Color(color)  
  ENDELSE
```

END

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
