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Subject: Re: Fast Filled Contour Plots

Posted by [David Fanning](#) on Tue, 17 Apr 2012 22:52:23 GMT

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Alain writes:

> The problem in Chris Torrence's code comes from the fact that the  
> longitude range in MAP\_CONTINENTS is -180°,180° by default, while you  
> are using 0°,360° in your example. The trick would be to overplot a  
> suitable map over your image:  
> im = IMAGE(scaledData, x, y, RGB\_TABLE=rgb, XRANGE=xrange,  
> YRANGE=yrange, GRID\_UNITS='degrees', POSITION=[0.1,0.1,0.9,0.9])  
> mp = map('EQUIRECTANGULAR', LIMIT=limit, LABEL\_POSITION=0,  
> POSITION=[0.1,0.1,0.9,0.9], /CURRENT)  
> mc = MapContinents(FILL\_COLOR=!COLOR.DARK\_GRAY, LIMIT=limit)  
> Everything is now correctly clipped and displayed, including the grid  
> overlay.  
> Note the use of FILL\_COLOR instead of COLOR to get continents of the  
> right color.  
> There is no bug here, just tricky usage of partly (un)documented  
> keywords...

Thanks, that works great! I've updated the page with this useful information.

[http://www.idlcoyote.com/graphics\\_tips/fastfill.php](http://www.idlcoyote.com/graphics_tips/fastfill.php)

Cheers,

David

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

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