
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

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.")
