
Subject: Re: stippling or cross hatching in contour plot
Posted by [pgrigis](#) on Mon, 08 Oct 2007 16:08:02 GMT
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Have you tried to use /cell_fill rather than /fill ?

Ciao,
Paolo

MA wrote:

```
> Hello David,  
> thanks for your comments. Here's a very short piece of code to  
> illustrate my problem.  
>  
> ;; create some data  
> array=FindGen(100)  
> array=Reform(array,10,10)  
>  
> Window,2  
> loadct,2  
> ;; contour data with color  
> contour,array,levels=indgen(100),c_colors=indgen(100)+1,/fil l  
> ;; try to put hatching on top  
> contour, array,levels=[0,15,25],c_orientation=[45,-45,0],/fill,/   
> noerase  
> end  
>  
>> As usual with IDL contours, you can't let IDL choose the contours  
>> for you. You have to choose them yourself, and the lowest one better  
>> be coincident with the MIN(data) if you expect to make sense of  
>> what you are doing. :-)  
> I've done that  
>  
>  
>> I don't see how it can erase the colors underneath, unless  
>> you forget to use the NOERASE keyword.  
> You were right, I forgot the NOERASE  
>  
> Still, the problem remains that c_orientation will apply its hatching  
> to all levels above the ones specified. Run the code above and see  
> what I mean. All levels above 0 are hatched at 45deg angle, all levels  
> above 15 are hatched at 45 AND -45 deg angle, and all levels above 25  
> are hatched at 45, -45 and 0deg angle. If I specify only one value for  
> c_orientation=45, then the whole plot ends up being hatched at 45deg.  
> I can't figure out how to hatch only between 0 and 15, or 15 and 25,  
> for example.  
>
```

> I've tried using POLYFILL instead, with the pattern keyword, and
> defining the pattern as a solid color for points where I don't want
> stippling, and defining the pattern as solid color with a couple of
> black dots where I do want stippling. It works, but the plot ends up
> being made up of lots of little squares, which doesn't look as smooth
> as the contour plot.
>
> I hope this explanation is a little clearer.
> Thanks!
