Subject: Re: stippling or cross hatching in contour plot Posted by pariags on Mon, 08 Oct 2007 16:08:02 GMT

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Have you tried to use /cell_fill rather than /fill?

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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 I
> :: 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 conincident 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!