
Subject: Re: Overlaying filled contour plots

Posted by [Craig Markwardt](#) on Mon, 30 Jul 2001 20:44:18 GMT

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"Pavel A. Romashkin" <pavel.romashkin@noaa.gov> writes:

> Couldn't you process the two data sets first and then visualize the
> single result, instead of thinking how to combine two different visuals?
> Cheers,
> Pavel
>
> Simon de Vet wrote:
>>
>> I have two sets of data for a series of points. One set indicates the
>> values of a certain parameter, the others are the values of another
>> parameter.
>>
>> Is there a way to overlay two filled contour plots? I'd like, for
>> example, to have one of the values plotted in red, the other in blue,
>> with purple (or another colour) where they overlap. These contour maps
>> have two levels each (on and off), so I don't need to worry about shades
>> of red or shades of blue. I just need contours for four states: both on
>> (purple), both off (white), one on other off and vice versa (red and
>> blue).

Pavel is on the right track here I think. Couldn't you do the following:

```
y = on1 * 2 + on2  
contour, y, levels=[0,1,2,3]
```

Then adjust your color table to match what you need. (like, 0=black,
1=red, 2=blue, 3=purple).

Or, the other possibility is to render both contour plots, TVRD()
them, and then perform the bit twizzling on the images. :-)

Craig

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