
Subject: Re: Overlaying filled contour plots

Posted by [Pavel A. Romashkin](#) on Mon, 30 Jul 2001 15:56:26 GMT

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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).

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:

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>> (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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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
