
Subject: Re: Contour shading (patterns)

Posted by [sterne](#) on Mon, 20 Jun 1994 17:36:48 GMT

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>>>> > "Andy" == Andrew F. Loughe <andy@pong.gsfc.nasa.gov> asks:

|> I post this about every 3 months... does anyone yet have a solution?

|>

|> The problem is to produce a simple contour plot where, instead of filling

|> between the contour lines with different colors, one fills between the

|> contour lines with a specified dot or line pattern.

|>

>>>> > "David" == David Landers <landers@tsunami.dseg.ti.com> responds:

David> Get PV-WAVE. :) Use POLYCONTOUR, Pattern=whatever

David> Of course, POLYCONTOUR doesn't handle open contours, so you have

David> to use the 'surround your data' trick (v4.2 User's Guide,

David> Chapter 4).

David> POLYCONTOUR does have some trouble with some kinds of data (due

David> to assumptions it makes about which contour regions are "on top"

David> or something like that.

Of course, IDL has polycontour as well, so if you can get at the contours, you can use this approach there as well.

A while ago, I posted a hacked version of polycontour for PV-Wave and IDL which allows a choice of user-specified fill pattern, and which closes open contours without having to resort to the data-distorting "surround your data" trick. It also fills the contours in the correct order so the above mentioned "trouble with some kinds of data" is eliminated (e.g. it will plot a volcano-like function without losing the dip in the middle). If anybody is interested in a copy, send me e-mail. If there is enough interest, I'll post it again.

Phil

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