
Subject: Re: how to plot the data of a 2D array with Z values as color

Posted by [mankoff](#) on Mon, 22 Mar 2010 16:52:57 GMT

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On Mar 22, 8:40 am, clément mayet <cma...@gmail.com> wrote:

> On 18 mar, 21:03, Gray <grayliketheco...@gmail.com> wrote:

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>

>

>> On Mar 18, 12:33 pm, clément mayet <cma...@gmail.com> wrote:

>

>>> Hi all,

>

>>> I would like to plot a map from a twoD array. My array contains Z
>>> values and the X,Y index corresponds to latitude/longitude. I use the
>>> CONTOUR procedure like this:

>

>>> MAP_SET,/MERCATOR, /GRID, /NOERASE, /ISOTROPIC, LIMIT=limit
>>> CONTOUR, Z, lon, lat

>

>>> My question is : is there a simplest way to do that (I mean directly
>>> associate a color to the Zvalue, without calculating the contours,
>>> which can be quite long for large arrays)

>

>>> Thanks for your help

>

>> I'd check this out:http://www.dfanning.com/graphics_tips/coloredline.html

>

> Thank you for your answer, even if that's not really what I was
> looking for. I've found the solution using MAP_IMAGE and TVSCL.

CONTOUR also has /FILL but I'd do MAP_IMAGE as /FILL is equivalent to
FLOOR().

-k.
