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

Posted by on Thu, 18 Mar 2010 16:33:22 GMT

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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

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

Posted by [Gray](#) on Thu, 18 Mar 2010 20:03:58 GMT

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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:

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> 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

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

Posted by on Mon, 22 Mar 2010 12:40:19 GMT

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

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