
Subject: Re: data to image? Please help...

Posted by [mbweller](#) on Wed, 19 Nov 2008 03:40:26 GMT

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On Nov 17, 10:30 pm, l...@lbnc.de wrote:

> On 18 Nov, 04:28, mbwel...@gmail.com wrote:

>

>

>

>> Hello,

>

>> I have an output file that gives me data in the form of:

>> Top, bottom, left, right sides of a cell (so basically the corners)

>> and two separate magnitude data columns.

>

>> What I need to be able to do is create two image files that

>> graphically, either via contours, colored cell scheme, or other...,

>> display the values of magnitude per cell (either Magnitude value 1 or
>> value 2).

>

>> Is this feasible to do in IDL, if not is there another program better
>> suited?

>

>> If anyone has any ideas, I would really appreciate it.

>

>> Thanks,

>

>> ~Matt

>

> Although it will not be the fastest solution and produce large

> PostScript files, I would suggest looping over all values, plotting

> them using POLYFILL, like so:

>

> ;- establish axes, without actually plotting them, because the

> polyfill would cover them

> plot, [0], /nodata, xstyle=5, ystyle=5, \$

> xrange=some_xrange, yrange=some_yrange

> for i=0L, ndata-1L do \$

> polyfill, [xstart[i], xend[i], xend[i], xstart[i]], \$

> [ystart[i], ystart[i], yend[i], yend[i], ystart[i]], \$

> color=data_value[i], noclip=0

> ;- plot axes

> plot, [0], /nodata, /noerase, xstyle=1, ystyle=1, xrange=some_xrange,

> yrange=some_yrange

>

> Cheers

> Lasse

Thanks for the info, but in looking at your code, it appears that it would assign case 1 as one color and case 2 as another color, correct?

If so, what I need to do is create a grid that has a color range. Let us say the values are between 1 and 5, so that value one is purple and value two is red and all values in between are a gradation between the extremes. Of course this is a simple case and I will probably have values a couple orders in magnitude in range and will need to be able to "auto bin" them. Will this code work for that, or do I need something else?

Thanks,
~Matt
