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

Posted by [lbnc](#) on Tue, 18 Nov 2008 06:30:00 GMT

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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], 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

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