Subject: Re: Displaying a matrix in the most literal sense
Posted by mankoff on Sun, 13 Dec 2009 07:59:56 GMT
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On Dec 12, 10:37 pm, "Mr.G" <gameplay...@gmail.com> wrote:
> Hello all,
>
> I have a 6 by 6 matrix as follows:
>
> m1=
> [[-8.3154349,-7.2612143,-10.932296,-15.152297,-18.437241,-21 .505252],$
> [-7.2612143,-5.3079651,-8.9813512,-13.264392, -16.536048,-19.589704],$
> [-10.932296,-8.9813512,-13.456954,-15.249534,-18.993573,-24. 157051],$
> [-15.152297,-13.264392,-15.249534,-17.049855,-17.272892,-19. 309707],$
> [-18.437241,-16.536048,-18.993573,-17.272892,-13.018024,-15. 181197],$
> [-21.505252,-19.589704,-24.157051,-19.309707,-15.181197,-11. 384910]]
>
> What I want to do is to display this matrix in 2D with grey-scale. I
> want Large value to be brighter.
> I want an undistorted, exact display -- so "contour, m1" is not what I
> want to use.
>
> I tried the command "tvscl, m1", however, the display became so small
> that I can't not see it.
> I know enlarging the matrix (by congrid) will do the job -- but, I
> also want x-axis and y-axis on the display.
>
> The command "image_cont, m1" *almost* do the job. However, I would
> like to erase the contour part. Besides, I wish I will be able to
> modify the ticks of x-axis and y-axis -- I want the ticks run from 1
> to 6, not 1 to 5. It would be really nice if I can use the keywords
> of "plot" and "axis".
>
> Could anyone please help me. Shall I try to modify image_cont.pro?
>
> Mr.G

I use IMDISP http://cimss.ssec.wisc.edu/~gumley/imdisp.html

 -k.