Subject: Re: matrix plot similar to pcolor() in matlab?
Posted by David Fanning on Thu, 26 Aug 2004 17:00:49 GMT

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Josef Koller writes:

> does anyone know how to plot a simple 2D matrix similar to the pcolor()
> command in matlab?

No, I don't.

> Thanks for your help in advance. I've spend already hours on this but
> nothing comes close.

Hours, huh. Just reading about what pcolor() does,
I should think this would come reasonably close:

```
matrix = RandomU(-3L, 10, 10)
pos = [0.15,0.15, 0.9, 0.9]
LoadCT, 5
TVImage, BytScl(Congrid(matrix, 400, 400)), Position=pos
Plot, [0,10], [0,10], Position=pos, /NoErase, /NoData
```

You might have to download TVIMAGE:

  http://www.dfanning.com/programs/tvimage.pro

If I wanted to *interpolate* the colors from the
neighbors, then I might have to think about the
problem for more than a couple of minutes. I'd
probably try something with an IDLgrSurface
and a texture map. :-)

  http://www.dfanning.com/ographics_tips/imgtex.html

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.dfanning.com/