Subject: 2D density plot and logarithmic axes
Posted by simona bellavista on Mon, 17 Feb 2014 11:40:25 GMT

I want to make a density plot in 2D and then plot it. More or less like with contours but with a color levels changing smoothly one in the other.

I computed a 2D density matrix and then I figured out I should use cgimage.
but now I have the problem that I have logaritmic axes and I can't figure out to include them in the plot. If I specify xrange and yrange I only get linear axes.

Then on top of that I have to plot other things, like curves, points with error bars, etc.

this looks like a basic task, can you suggest a better way to make such a plot?

Subject: Re: 2D density plot and logarithmic axes
Posted by David Fanning on Mon, 17 Feb 2014 13:25:05 GMT

simona bellavista writes:

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I think I would try using the AXKeywords keyword to cgImage to set the
XLog and YLog keywords for the plot axes. Alternatively, you might find
the PG_PlotImage command in the "public" folder of the Coyote Library
helpful.

Cheers,

David
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David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")