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Subject: Re: how to shade region of 2-D plot  
Posted by [davidf](#) on Thu, 19 Nov 1998 08:00:00 GMT  
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Joseph Scott Stuart (nospam@ll.mit.edu) writes:

> Is there a relatively painless way to shade a region on a 2-D plot?  
> Baically, I have a computed function that I want to plot with error  
> bars, and I'd like to plot the error bars as a shaded region around  
> the plotted nominal value. I could just plot error bars with the  
> points and play around with spacing between the points and the line  
> thickness of the error bars until it sort of looks like a shaded  
> region, but is there a nicer way to do it?

I think I would just do this with PolyFill and specify the shaded region in data coordinates (Data keyword). You will have to draw the PolyFill areas first, but of course, you won't \*have\* the data coordinates at this point. I'd probably solve the problem by first drawing the plot to a pixmap to set up the plot scaling vectors. Then draw my shaded regions in the display window and plot the actual data with a NoErase keyword set.

(Don't forget to delete that pixmap!) :-)

Cheers,

David

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