Subject: Re: how to shade region of 2-D plot
Posted by steinh on Thu, 19 Nov 1998 08:00:00 GMT
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In article <MPG.10bde9e8e981acc0989688@news.frii.com>
davidf@dfanning.com (David Fanning) writes:

> 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!) :-)

Pixmap? I really don't get it...

How about

```
y=20*cos(findgen(50)/3)
plot,y,ystyle=2
bot=y-1.0
top=y+1.0
 polyfill,[findgen(50),reverse(findgen(50))],[bot,reverse(top )],/data
oplot,y,color=0
```

or something? Seems simple enough for me.

Regards,

Stein Vidar