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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Stein Vidar Hagfors Haugan (steinhh@ulrik.uio.no) writes:

> 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.

Too elegant. Makes me nervous. :-)

David

--

David Fanning, Ph.D.

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

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Subject: Re: how to shade region of 2-D plot Posted by steinhh 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

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Regards,

Stein Vidar

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Cheers,

David

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