## Subject: Re: POLYFILL erases my tick values - solution? Posted by davidf on Fri, 22 Sep 2000 07:00:00 GMT

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Craig Markwardt (craigmnet@cow.physics.wisc.edu) writes:

> In the end I decided it's not so bad. :-)

I often find that the only solution becomes the most attractive solution as time goes on. :-)

Cheers.

David

--

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

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Subject: Re: POLYFILL erases my tick values - solution? Posted by Liam E. Gumley on Fri, 22 Sep 2000 07:00:00 GMT

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Andrew <noymer@my-deja.com> wrote in message news:8qgda2\$ml8\$1@nnrp1.deja.com...

- > I am using POLYFILL to shade various regions of an X-Y plot different
- > shades of grey. I use PLOT (with /nodata) to draw the axes, then I
- > use PLOTS to draw a bunch of lines, etc. (In this case, I'm making a
- > simple diagram, not really plotting data, but the question is pretty
- > general.)
- >
- I'm making PostScript output so I am limited to solid colors
- > as opposed to patterns (is there a good reason for that???), but
- > so far that's not my real problem.

>

- > The problem is that POLYFILL seems to obliterate everything in
- > its path, including axis tick values. For the lines I draw, there is
- > an easy solution: I just shade first, then draw. But I am working with
- > \DATA coordinates, so I'm quite sure (???) I have to PLOT before I can
- > POLYFILL, hence the problem that the tick values are over-shaded.

>

- > Even the RSI "Using IDL" manual, 1998 paper version, p. 190,
- > shows a (very ugly!) example of shading that erases tick values.

>

> The best solution I have found is to use the AXIS procedure after POLYFILL, to re-draw the axis.
> IS THIS THE BEST SOLUTION?

Here's another solution:
;- Make sure decomposed color is off, and load grayscale device, decomposed=0 loadct, 0
;- Set plot position (normal coordinates)
p = [0.1, 0.1, 0.9, 0.9]
;- Fill plot window polyfill, [p[0], p[2], p[0], p[0]], [p[1], p[1], p[3], p[3], p[1]], \$ /normal, color=(0.5 \* !d.table\_size)
;- Create plot plot, indgen(10), /noerase, position=p

Cheers, Liam. http://cimss.ssec.wisc.edu/~gumley

Subject: Re: POLYFILL erases my tick values - solution? Posted by Craig Markwardt on Fri, 22 Sep 2000 07:00:00 GMT View Forum Message <> Reply to Message

Andrew <noymer@my-deja.com> writes:

```
> Dear c.l.i-p,
>
    I am using POLYFILL to shade various regions of an X-Y plot different
> shades of grey. I use PLOT (with /nodata) to draw the axes, then I
> use PLOTS to draw a bunch of lines, etc. (In this case, I'm making a
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> POLYFILL, hence the problem that the tick values are over-shaded. > Even the RSI "Using IDL" manual, 1998 paper version, p. 190, > shows a (very ugly!) example of shading that erases tick values. > The best solution I have found is to use the AXIS procedure > after POLYFILL, to re-draw the axis. IS THIS THE BEST SOLUTION? Yes, this is what I do. In the end I decided it's not so bad. :-) Craig Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response \_\_\_\_\_\_

Subject: Re: POLYFILL erases my tick values - solution? Posted by noymer on Fri, 22 Sep 2000 07:00:00 GMT

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I forgot to say, I'm using IDL 5.3 direct graphics.

And I should have said "tick marks" not "tick values".

A.

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Subject: Re: POLYFILL erases my tick values - solution? Posted by R.Bauer on Mon, 25 Sep 2000 06:23:12 GMT View Forum Message <> Reply to Message

Andrew wrote:

> Dear c.l.i-p,

I am using POLYFILL to shade various regions of an X-Y plot different

> shades of grey. I use PLOT (with /nodata) to draw the axes, then I > use PLOTS to draw a bunch of lines, etc. (In this case, I'm making a > simple diagram, not really plotting data, but the question is pretty > general.) > > I'm making PostScript output so I am limited to solid colors as opposed to patterns (is there a good reason for that???), but so far that's not my real problem. > The problem is that POLYFILL seems to obliterate everything in > > its path, including axis tick values. For the lines I draw, there is > an easy solution: I just shade first, then draw. But I am working with > \DATA coordinates, so I'm quite sure (???) I have to PLOT before I can > POLYFILL, hence the problem that the tick values are over-shaded. > Even the RSI "Using IDL" manual, 1998 paper version, p. 190, > shows a (very ugly!) example of shading that erases tick values. > The best solution I have found is to use the AXIS procedure > after POLYFILL, to re-draw the axis. > IS THIS THE BEST SOLUTION? > > TIA, > > Andrew > > Sent via Deja.com http://www.deja.com/ > Before you buy. That's true. But you can use first a routine which will set the data coordinates to the plot. This is done with plot and the keyword /nodata. regards Reimar Bauer R.Bauer Institut fuer Stratosphaerische Chemie (ICG-1) Forschungszentrum Juelich email: R.Bauer@fz-juelich.de