
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

--

David Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com

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

Toll-Free IDL Book Orders: 1-888-461-0155

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\$m18\$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[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,
>
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>
> 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
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Andrew wrote:

>
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>
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>
> 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
