
Subject: POLYFILL

Posted by [ajaunsen](#) on Wed, 13 Jul 1994 11:24:57 GMT

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I have made a histogram plotting routine, which fills the histogram with slashed lines using the PATTERN option in POLYFILL (instead of /LINE_FILL). This was done in the same manner as described in the IDL manual.

```
>pro BOX
>ww=bytarr(10,10)
>for i=0,9 do ww(i,i)=255
>polyfill,[x0,x0,x1,x1],[y0,y1,y1,y0],pattern=ww
>end
```

The problem arrived, when I wanted the histogram out on a PS file...
..the area where the lines where are in the postscript file turned into completely dark areas.

DOES ANYONE HAVE A SOLUTION ?

Andreas O. Jaunsen

Subject: Re: POLYFILL

Posted by [rmm](#) on Mon, 18 Jul 1994 17:56:50 GMT

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In article <300iu9\$2id@hermod.uio.no>, ajaunsen@leda.uio.no (Andreas Ortmann Jaunsen) writes:

```
|>
|>
|>
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|> slashed lines using the PATTERN option in POLYFILL (instead of /LINE_FILL).
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```

|> Andreas O. Jaunsen

The Postscript device has a much higher resolution than, say, the X graphics device. I suspect that your problem is that the ww array is just not big enough for Postscript output, resulting in the lines being so close together at the higher resolution that it looks like its filled. Try making ww=bytarr(100,100) and see what happens. You can adjust it as suits you.

Robert M. Moss, Ph.D.
Texaco Inc.
rmmoss@texaco.com

Subject: Re: polyfill
Posted by peter.albert@gmx.de on Fri, 30 Sep 2005 06:02:26 GMT
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Hi Jill,

what about

```
idx = where(z eq -9999, n)
if n gt 0 then zcolors[idx] = grayColor
```

before you enter the for-loop?

Regards,

Peter

Subject: Re: polyfill
Posted by [psbeeps](#) on Mon, 03 Oct 2005 17:38:39 GMT
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Yes, that worked!

Thank you,

Jill

Subject: Re: polyfill
Posted by [penteado](#) on Mon, 01 Jun 2009 19:21:29 GMT

I think the transparency option of polyfill only works on the Z buffer. The problem then is that the Z buffer is a bitmap device, so you could only copy the contents from the Z buffer to make a bitmap instead of a vector eps, which is usually ugly for plots.

You could make a transparent fill in a vector eps using iplot, instead of plot and polyfill. In iplot, you would only need to make the two lines to be a single one (joining the end of the first with the beginning of the second), and use the /fill_background option. As an example:

```
x=dindgen(25)*!dpi/24d0
y=sin(x) ;creates the first y(x) line
y2=y-0.2 ;creates the second y(x) line
iplot,x,x,!dpi ;plots a line to serve as background
;plot the filled area with half transparency
iplot,[x,reverse(x)],[y,reverse(y2)],/fill_background,$
  fill_color=[255,0,0],fill_transparency=50,/over
;plots another filled area with zero transparency
iplot,[x,reverse(x)],1d0-[y,reverse(y2)],/fill_background,$
  fill_color=[0,0,255],fill_transparency=0,/over
```

On Jun 1, 3:08 pm, mandril...@yahoo.co.uk wrote:

```
> Dear all,
>
> I'm doing an eps graph and I'm using polyfill to fill the area between
> two lines. However I would like the area to be gray transparent, so I
> can still see what's below the filled part. How can I do?
>
> I'm using this simple line, tried the keyword transparent but it seems
> not to be my case
>
> polyfill,[6000,6250,6250,6000],[1.215,1.215,1.406,1.406]
>
> Thanks!
> M.
```
