
Subject: Re: Fill the under of a x-y plot
Posted by [d.poreh](#) on Thu, 02 Feb 2012 06:14:47 GMT
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On Jan 31, 3:21 pm, alx <lecacheux.al...@wanadoo.fr> wrote:

> On 30 jan, 20:47, DavePoreh <d.po...@gmail.com> wrote:

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>> Folks

>> hi,

>> I have a x-y plot and i want to fill under of the graph with a polygon

>> with a specified color. i saw an example in help but i do not know how

>> to do that in my case. can sb help pls. my data is st like this:

>> 0,4564.723

>> 130.85,4570.745

>> 261.7,4503.422

>> 392.55,4427.584

>> 523.4,4352.976

>> 654.25,4292.612

>> 785.1,4250.424

>> 915.95,4216.291

>> 1046.8,4203.354

>> 1177.6,4202

>> 1308.5,4202

>> 1439.3,4228.552

>> 1570.2,4243.332

>> 1701,4233.284

>> 1831.9,4244.947

>> 1962.7,4254.814

>> 2093.6,4289.623

>> 2224.4,4279.751

>> 2355.3,4258.601

>> 2486.1,4243.937

>> 2617,4220.519

>> 2747.8,4208.247

>> 2878.7,4203.115

>> 3009.5,4210.122

>> 3140.4,4234.804

>> 3271.2,4256.684

>> 3402.1,4275.718

>> 3532.9,4304.727

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>> 3663.8,4303.549
>> 3794.6,4263.894
>> 3925.5,4207.462
>> 4056.3,4157.35
>> 4187.2,4109.001
>> 4318,4066.732
>> .....
>
>> Cheers,
>> Dave
>
> You may add a polygon annotation, as follows:
>
> in DG:
> device, DECOMPOSED=0
> loadct,0
> plot,x,y,/XST,XTICKLEN=-0.03,YTICKLEN=-0.02,/YNOZERO
> polyfill,[x[0],x,x[-1]],[!Y.CRange[0],y,!Y.CRange[0]],COL=10 0
> plot,x,y,/XST,XTICKLEN=-0.03,YTICKLEN=-0.02,/YNOZERO,/NOERAS E
>
> in NG:
> pl=plot(x,y,/XTICKDIR,/YTICKDIR,XSTYLE=1)
> poly=polygon([x[0],x,x[-1]], [0,y,0],/DATA,/
> FILL_BACKGROUND,FILL_COLOR='light_grey')
>
> The trick is to complete your data, so that the polygon get closed.
> In DG, some cosmetics is needed.
>
> alx.

```

Thanks Alx

I did st like this:

```

p1 = plot(a(0,*)/1000, a(1,*), COLOR='blue', /XTICKDIR, /YTICKDIR,
THICK=3)
poly1 = polygon([a(0,*)[0],a(0,*),a(0,*)[-1]], [0,a(1,*),0], /DATA,/
FILL_BACKGROUND,FILL_COLOR='light_grey')
/FILL_BACKGROUND, FILL_COLOR=!COLOR.DEEP_PINK, FILL_TRANSPARENCY=50)

```

but i have got my plot and a big polygon covers it!!!

what is wrong with that?

Cheers,

Dave