
Subject: Re: Fill the under of a x-y plot

Posted by [lecacheux.alain](#) on Thu, 02 Feb 2012 15:53:04 GMT

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On 2 fév, 07:14, DavePoreh <d.po...@gmail.com> wrote:

> On Jan 31, 3:21 pm, alx <lecacheux.al...@wanadoo.fr> wrote:

>

>

>

>

>

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

>

>>> 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

>>> 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- Masquer le texte des messages précédents -
>
> - Afficher le texte des messages précédents -

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You likely forgot to divide by 1000 the abscissa in the 'polygon' statement.

Try instead:

```
a = transpose(a)
```

```
poly1 = polygon([a[0,0],a[*,0],a[-1,0]]/1000, [0,a[*],1],0], /  
DATA, ...)
```
