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

Posted by [d.poreh](#) on Thu, 02 Feb 2012 16:43:13 GMT

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On Feb 2, 7:53 am, alx <lecacheux.al...@wanadoo.fr> wrote:

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

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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:

>
>>> 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

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>>> 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 -
>
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>> - Afficher le texte des messages précédents -
>
> 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, ...)
```

you are absolutely right. my mistake. Thanks again.

Cheers,
Dave
