
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:

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>>> 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
