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

Posted by [lecacheux.alain](#) on Tue, 31 Jan 2012 23:21:00 GMT

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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

> 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.
