
Subject: multiple line plots in colors & legend

Posted by [rkombiyil](#) on Mon, 15 Oct 2007 14:51:12 GMT

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Hello!

I have a need to superpose a bunch of plots (XY) and this is what I did: (It is a kludge, I am sure elegant solutions exist.. sometimes I wish science to be devoid of pretty plots..heh) .. to give an example -

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```
loadct,39
```

```
plot,a,b[0]
```

```
for k=1,n do oplot,a,b[i],color=25+k*15
```

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In this particular case, n=15, so color was < 255. But this is not a general and elegant solution. Also, one has to spread them out well to actually distinguish between colors. To ask the questions straight:

#1 Is there some way one could plot bunch of line plots, by calling different colors as a function of loop index and distinguish the colors well too when you have larger loop index values?

#2 Is there a way to do the "legend" also as a function of the color via the loop index? I mean the legend should show the color line and whatever it denotes inside the box..

I looked at David's FSC_color (sp?), but I don't want to call them by name, I want the computer to do it for me :-). I want to have this cake and eat it too ;-). I also tried "legend" but hasn't looked at it enough to make the judgement whether it would do the above.

Any elegant solutions to this "everybody but me loves pretty plots" problem?

Thanks,
~rk
