Subject: Re: Adding Legends to Coyote Graphics Windows
Posted by David Fanning on Fri, 14 Feb 2014 15:36:41 GMT

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elisadelgadomena@gmail.com writes:

> First of all, thank for all your effort, it's being very helpful for me.
> I wanted to do a plot with a colorbar, legend and several data sets and I was searching in your available examples to do that.
> Finally I got it and it's perfect but I have a small problem. When saving it in a ps or eps the first appearance is correct (open with gv for example) but when I include it in a latex to produce a ps or pdf the titles of the legend are appearing in their normal place but also in the upper left part of the plot, ones over the others, but outside, getting mixed with other plots or text that appear in the pdf.
> Have this happened to you?

No, it has never happened to me, but it is not totally surprising to me, either. :-)

The problem with a legend is that to create one and draw a box around it, or to add a background color, or to place it somewhere in the graphics window, you have to know how big it is. In particular, you have to know the length of your text strings. Unfortunately, with direct graphics, the only way to discover the length of your text string is to draw it somewhere. In other words, you can only find out *after* the fact.

So, there are a lot of smoke and mirror tricks that have be used. One of my tricks is to use a pixmap to do the drawing. That works for graphics windows, but not for PostScript files. In PostScript files, I tend to draw the text off the page and in the background color, hoping no one will notice. Obviously, I haven't been totally successful. :-(

I honestly don't know how to solve this problem. I'm not sure the problem *can* be solved. I'll look into it. But I don't have great expectations for success. Sorry.

Cheers,

David
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David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")