
Subject: Frustrated by 2 Data Plotting problems

Posted by [almost_like_a_metapho](#) on Wed, 25 May 2011 19:57:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

I have 2 IDL plotting questions that have been giving me lots of frustrations. I just upgraded to 8.1 (Mac), so can use whatever is available.

I'm guessing these have both been done a zillion times, but I'm new here (sorry, hi), and am having a devil of a time.

First: trying to figure out how to plot data and color code by value.

I have x,y, and, z values in 3 columns (actually lons, lats, and intensities of a profile)

In my simple minded way I wanted to plot x vs y, and set the color of the dot to a value for z.

The only way I can think of doing this right now is to step through every row and oplot each pair x[i],y[i] with the color for that pair taken from z[i]. This makes for a long executing loop with large files.

I'm guessing I'm missing doing something with a mapping procedure (which I would be willing to learn), but is there any way to simply turn the color value of plotting into a vector the same size as x&y?

Second:

I have many files I need to repeat processes with, generating data I want to overplot on multiple plots. So far, it looks like I have to make a choice: Load in one file and create my different plots for that file, or load in all files and extract the data from each file for one plot at a time, then going back again through all the files to create the next plot.

A more detailed version of the problem.

From any given Data (D1, D2, D3....D100) I extract parameters P1, P2, P3 that I want to plot.

As of now, I can loop through D1-D100 and overplot derived parameters for P1, but in order to get P2, I have to loop through again. I can't seem to plot P1, P2, and P3 from D1, then cycle through and overplot data from D2 onto the correct plots.

I hope that description makes sense. If not I can elaborate.

N
