Subject: Adding Text/Equations to Plots Posted by Heather on Mon, 16 Mar 2009 18:53:02 GMT

View Forum Message <> Reply to Message

Hello,

I'm hoping someone can help me figure out a way to add equations to a plot. I used POLY_FIT to find the coefficients of a line for my data, and plotted that line. I really want to add the equation of that line to my plot.

I thought I could use legend.pro (a routine I found at http://astro.uni-tuebingen.de/software/idl/astrolib/plot/leg end.pro that I am already calling in my routine anyhow), but that requires the input "items" be a string. And I couldn't figure out how to create a string that would call the elements of the array in which the coefficients are.

(This is what I tried:

IDL> numbers=findgen(10)

IDL> string="This is a number: numbers(6)"

IDL> print, string

This is a number: numbers(6)

Clearly not what I want. And I can't do something like:

IDL> string1="This is a number: "IDL> print, string1, numbers(6)
This is a number: 6.00000

because what it will actually look like to the legend.pro routine is:

IDL> string2="This is a number: " numbers(6)

string2="This is a number: " numbers(6)

% Syntax error.

Any advice would be greatly appreciated, but I'm fairly new to the world of IDL, so please use "simple" explanations!

Thanks,

Heather