
Subject: Adding Text/Equations to Plots

Posted by [Heather](#) on Mon, 16 Mar 2009 18:53:02 GMT

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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
