
Subject: Multiple plots in one figure

Posted by [Nicki](#) on Mon, 12 Oct 2009 03:48:43 GMT

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Hello there.

I just recently started to use IDL. I'm now having the following problem... i need to get one figure with multiple plots in it. I already know how to do this, but just in a really complicated way...

say, i have the following equation: $y=mx+a$

and for $m=1$ my a is 1

and for $m=10$ my a is 2

and let's get a third plot, let's say for $m=5$ and and for that case the a is equal to 4

or something like that... and now i want to have one figure with the 3 plots in it...

so far i have done it like this:

```
m1=1
```

```
a1=1
```

```
m2=10
```

```
a2=2
```

blaaa and then $y1=m1*x+a1$ and so on and then plot, overplot etc..... I know this is faar too complicated and there should be something far simpler starting with

```
m=[1,5,10]
```

```
a=[1,4,2] or so...
```

i tried to read it up but i don't get it... something with 'if... do begin... else...' isn't it?! :) You see i have no idea...

Can somebody help me out??
