
Subject: Re: Multiple plots in one figure

Posted by [David Fanning](#) on Mon, 12 Oct 2009 12:43:35 GMT

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Nicki writes:

```
> Seriously, i am so lost, since i do not even know what keywords I have
> to look up in order find a solution for this problem... I mean the
> multiple plots in one figure are not the problem, the problem is to
> find the EASIEST way to solve this...(however i don't really know HOW
> to do the multiple plotting for this case, either)
> if i start saying (note that a[0] should belong to m[0] and a[1] to b
> [1] and so on, so that I end up with 3(!) plots)
```

```
>
> x=findgen(10)
> m=[1,5,10]
> a=[1,4,2]
>
> y=m[i]*x+a[i]
>
> if i eq 0 then plot,x,y
> else oplot,x,y
>
>
> whaaaa, i don't know it... this does not work...
```

Well, it is hard to know if you are typing *actual* code or pseudo code. But this works:

```
x=findgen(10)
m=[1,5,10]
a=[1,4,2]
```

```
for j=0,2 do begin
  if j eq 0 $
    then plot, x, m[j]*x+a[j] $
    else oplot, x, m[j]*x+a[j], linestyle=j
endfor
end
```

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
