
Subject: Re: plots?

Posted by [Don J Lindler](#) on Tue, 20 Aug 2002 11:51:01 GMT

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> I have a problem about using plots. I want to use two plots for two
> different data sets at the same time. If I just use one plots for one
> data set, there is no problem. But when I use two, it doesn't work. It
> seems the two plots interrupt each other. I want to know why?

>

> Thanks very much for any kind of help!

>

> I attach my simple program below:

>

> ,*****

> ,

> pro testPlots

> arrayT = fltarr(11)

> arrayX = fltarr(11)

> arrayY = fltarr(11)

> window, 1

> x1 = !X & y1 = !Y & p1 = !P

> window,2

> x2 = !X & y2 = !Y & p2 = !P

> for i=0, 10 Do begin

> arrayY[i] = cos(i+1)

> arrayX[i] = sin(i+1)

> arrayT[i] = i

> wset, 1

> !X = x1 & !Y = y1 & !P = p1

> plots,arrayT[i], arrayX[i], /continue

> wset, 2

> !X = x2 & !Y = y2 & !P = p2

> plots,arrayT[i], arrayY[i], /continue

>

> endfor

>

> end

>

The /continue is telling the routine to start plotting
from where the last plots was performed.

When you are changing windows the routine is continuing
the plot from the point where the other window left off.

If you want to plot in this manner, I would suggest letting
your program keep track of where you left off.

for i=0, 10 Do begin

 arrayY[i] = cos(i+1)

```
arrayX[i] = sin(i+1)
arrayT[i] = i
if i gt 0 then begin
    wset, 1
    !X = x1 & !Y = x1 & !P = p1
    plots, arrayT[[i-1,i]], arrayX[[i-1,i]]
    wset, 2
    !X = x2 & !Y = y2 & !P = p2
    plots, arrayT[[i-1,i]], arrayY[[i-1,i]]
end
endfor
```

Don
