Subject: Having Problems Plotting Graphs On PV-WAVE
Posted by anadeem on Tue, 03 Aug 1993 19:20:51 GMT
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Fellow Netters,

.......I am trying to develop a .pro file for use to plot out graphs using
PV-WAVE. I am trying to plot the values in data files called spline.dat and
derivati.dat versus the values in the data file x.dat.

Below is a sample .pro I am working on. For some reason, I can
plot the values of spline versus x but not derivati versus x on the same plot. As you can see, I
have expanded the range of values of the axes when I use the
plot command. Upon using the oplot command, I just get a straight line passing
through the first value of derivati.dat (I mean horizontal straight line)
which should not be the case as the values vary considerably.

** *******************


```
x = fltarr(2000)

openr, 1, 'x.dat'          ; OPEN A FILE TO BE READ INTO X ARRAY
i = 0
while not eof(1) do begin
readf, 1, temp1
x(i) = temp1
i = i+1
endwhile
close, 1                 ; CLOSE UNIT FILE
print, i

spline = fltarr(2000)
openr, 1, 'spline.dat'      ;OPEN SPLINE.DAT WITH SPLINE VALUES
i = 0
while not eof(1) do begin
readf, 1, temp1
spline(i) = temp1
i = i +1
endwhile
close, 1               ; CLOSE UNIT FILE
print, i

derivati = fltarr(2000)
openr, 1, 'derivati.dat'    ; OPEN FILE WITH DERIVATIVE VALUES
i = 0
while not eof(1) do begin
readf, 1, temp1
derivati(i) = temp1
```

```
i = i +1
endwhile
close, 1              ; CLOSE UNIT FILE
print, i

plot, x, derivati, title='Graph Of Spline And Derivatives',XRange=[0,4],$
    YRange = [-70,+70]

oplot, spline, linestyle =2

End
```

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   What am I doing wrong? I really need to get this done badly. Any help
would be highly appreciated.

                              Thank You,
                                 Ahmed Nadeem