Subject: Re: continuous update of plot
Posted by Tim Patterson on Mon, 02 Jun 1997 07:00:00 GMT
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A quick test is to use the spawn command to list the file, =

save the returned data, and then next time around the loop, you can do
the same and see if the returned string has changed.

A nasty mix of IDL and pseudocde comments might make it clearer...

; do some processing

; write out your data file 'myfile.dat'

; get a check string for use later

spawn, 'ls -l myfile.dat', returned_data

while data_to_process do begin ; just start some sort of loop

; do some more processing

; now check file to see if it's changed

spawn, 'ls -l myfile.dat', =

if returned_data2(0) NE returned_data(0) THEN BEGIN ; file date changed!

returned_data =3D returned_data2
=

    ; display your new data
end if

endwhile

This depends on the fact that returned_data contains the normal
"ls -l" listing which will have a different date/time and maybe size
each time the file is changed. It's very unix dependent though, but
might be a quick solution, if not the cleanest.

Tim

=C3=E9=FE=F1=E3=EF=F2 =C2=E5=F4=EF=FD=EB=E7=F2 wrote:
> =

> Hello,
> =

> suppose I have a simulation that every so often writes out a 2d array.
> Is there a way for idl to detect that the file has changed, and
> replot or display the new data?
> This would be under unix (digital and/or sparc) with the data
> being produced by fortran.
> =

> I suppose that even a delay loop would serve, in the sense that
> it would redisplay the file every, say, 10 sec irrespectively of
> whether it changed or not. But this sounds wasteful.
> =

> Any ideas?
> =

> Thanks a lot!
> =

> =

> --
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