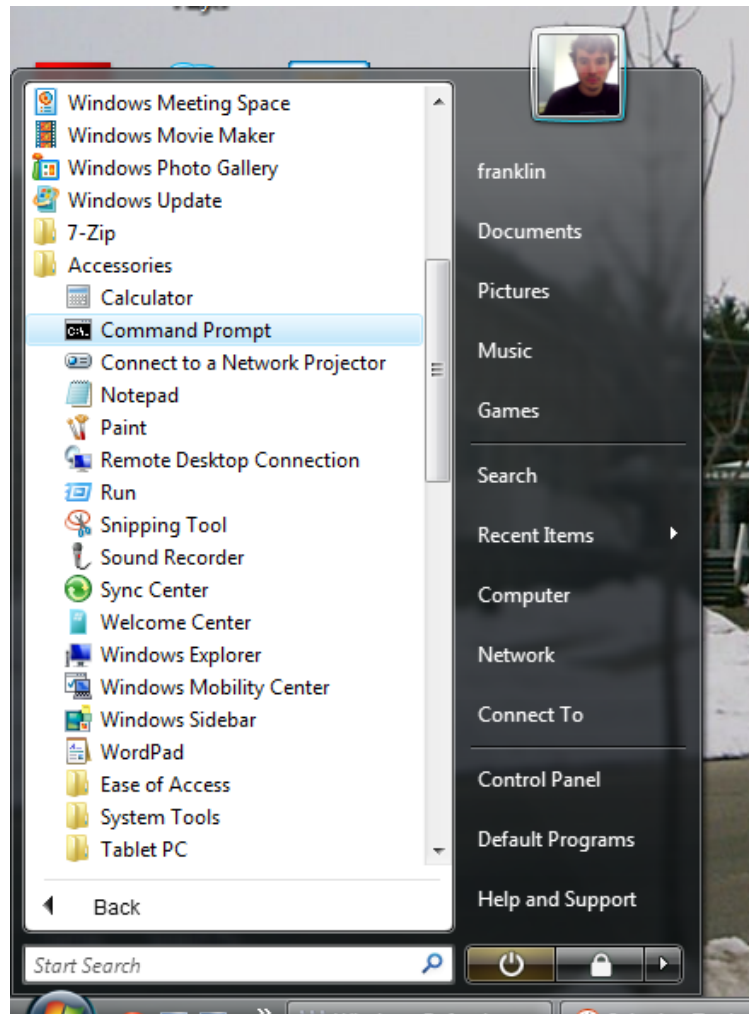


How to Run QWalk under Microsoft Windows

Some users are having difficulties to run QWalk simulator on Windows. In fact, the documentation was not very clear on that point. *Mea culpa*. The problem is caused by the user double-clicking on the executable file in order to open a graphical user interface (GUI). Such an interface does not exist in current versions of QWalk, so double-clicking on the executable file actually does not work.

Instead of double-clicking on the executable file, the user should first open the Command Prompt. (See below a screenshot from Windows Vista.)



Then, he or she should use the 'cd' command to access the directory where QWalk was installed. For example, if QWalk 1.3 is saved under the Documents directory, the user should type 'cd Documents' and then 'cd qwalk-1.3-win'. Once in the correct directory the user should call the simulator and pass the name of the input file, for instance, by typing 'qw2d hadamard.in'. (See below a screenshot of these commands.)

```
Command Prompt
Microsoft Windows [Version 6.0.6000]
Copyright (c) 2006 Microsoft Corporation. All rights reserved.

C:\Users\franklin>cd Documents
C:\Users\franklin\Documents>cd qwalk-1.2-win32
C:\Users\franklin\Documents\qwalk-1.2-win32>qw2d hadamard.in
QWalk 2D, version 1.2 (qw2d).
Copyright (C) 2007 Franklin Marquezino.
This is free software; see the source code for copying conditions.
There is ABSOLUTELY NO WARRANTY; not even for MERCHANTABILITY or
FITNESS FOR A PARTICULAR PURPOSE. See the source code for details.

Email bug reports to <franklin@lncc.br>
Input filename .....: hadamard.in

Files generated by this simulation:
Probabilities .....: hadamard.dat
Wave function .....: hadamard-wave.dat
Stationary distribution:
Screen data .....:
Statistics .....: hadamard.sta
Gnuplot script .....: hadamard.plt

Files generated after running gnuplot:
3D plot postscript.....: hadamard-3d.eps
2D plot postscript.....: hadamard-2d.eps
Screen postscript.....:
Stationary postscript...:

Starting experiment 1 of 1...
Writing probabilities file...
Writing wave-function file...
Writing gnuplot script...

C:\Users\franklin\Documents\qwalk-1.2-win32>_
```

QWalk generates gnuplot scripts, with extension PLT. They can be easily opened by gnuplot under Microsoft Windows in order to generate some basic plots.