



argc and argv

When you write in C or C++, your main program, which is really a special function call, looks like this:

int main(int argc, char *argv[]) {

...

These arguments describe what was entered on the command line used to run the program.

The argc is the number of arguments (the arg Count)

The argv is a list of argc character strings that were typed (the arg Vector).

The name of the program counts as the 0th argv (i.e., argv[0])

So, for example, when you type |s -1 |

in a shell, the is program sees argc and argv filled like this:

argc = 2 |

argv[0] = "Is" |

argv[1] = "-I" |

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shared() in the #pragma omp Line

Also, remember, since NUMTRIALS is a variable, it needs to be declared as shared in the #pragma omp line:

#pragma omp parallel for default(none) shared(NUMS,xcs,ycs,rs,tn) reduction(+:numHits)

NUMT does not need to be declared in this way because it is not used in the for-loop that has the #pragma omp in front of it.

Windows Powershell

Windows comes with a shell program called Powershell. It might not be as familiar to most of us as some of the Linux shells are (bash, csh), but it can still be used to run multiple combinations of your program parameters in one shot.

There are a number of ways to get Powershell running. Either:

Click on the Microsoft icon. Then scroll down to Windows
Powershell and run Windows Powershell.

Shift right-click in the directory you want to work in and select Open Powershell Window.

Hold down the Windows key and hit the 'x' key, then select Windows Powershell.

The resulting window should look like this:

Windows PowerShell









