

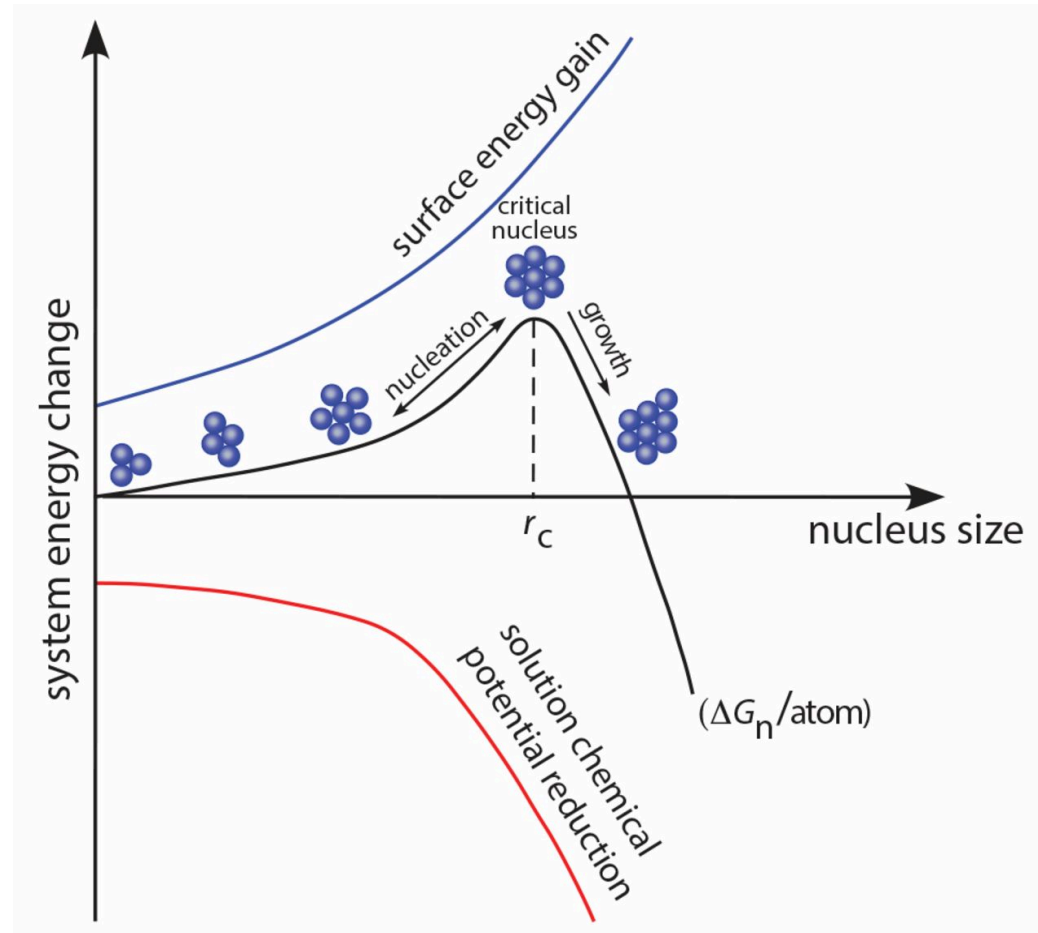
# 759-Final Project

## GPU/OpenMP Accelerated Monte Carlo Simulation of Nucleation

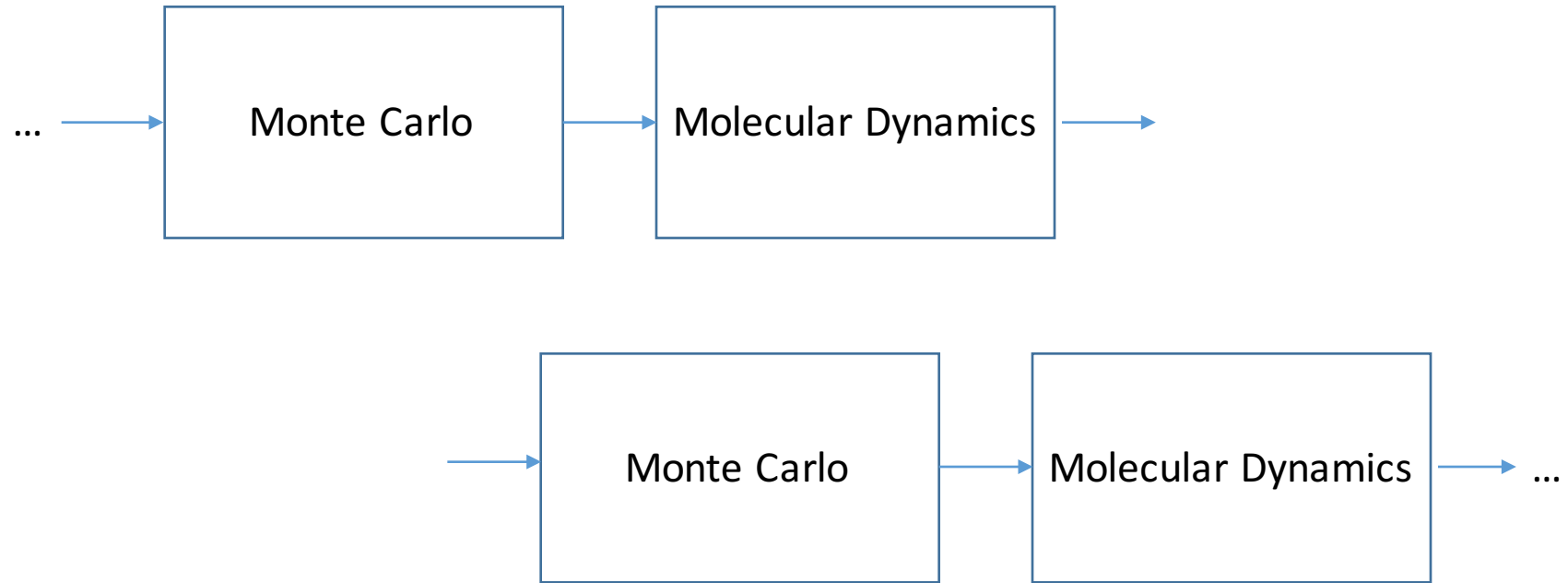
Xinyi Li

12/21/17

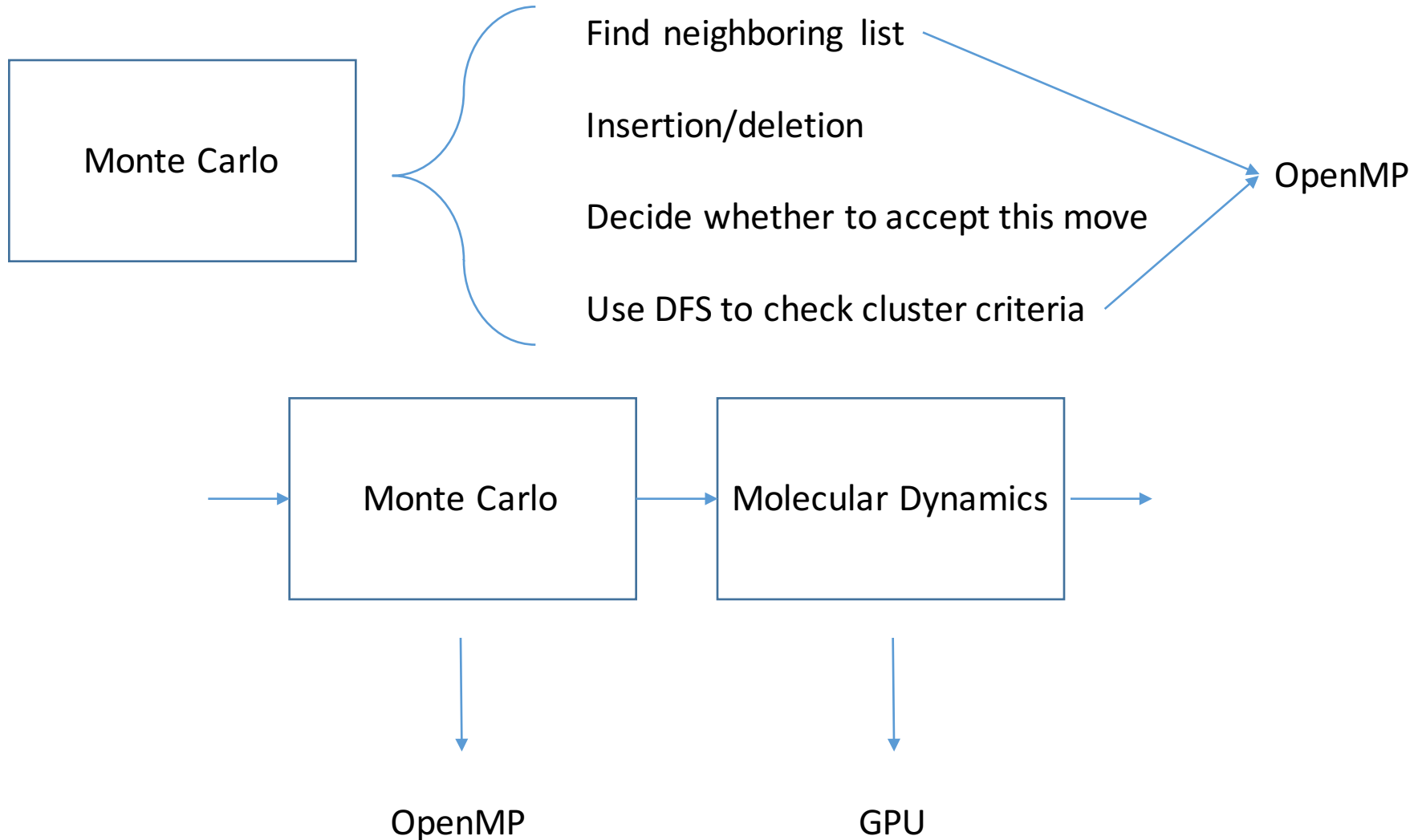
# Introduction-Nucleation



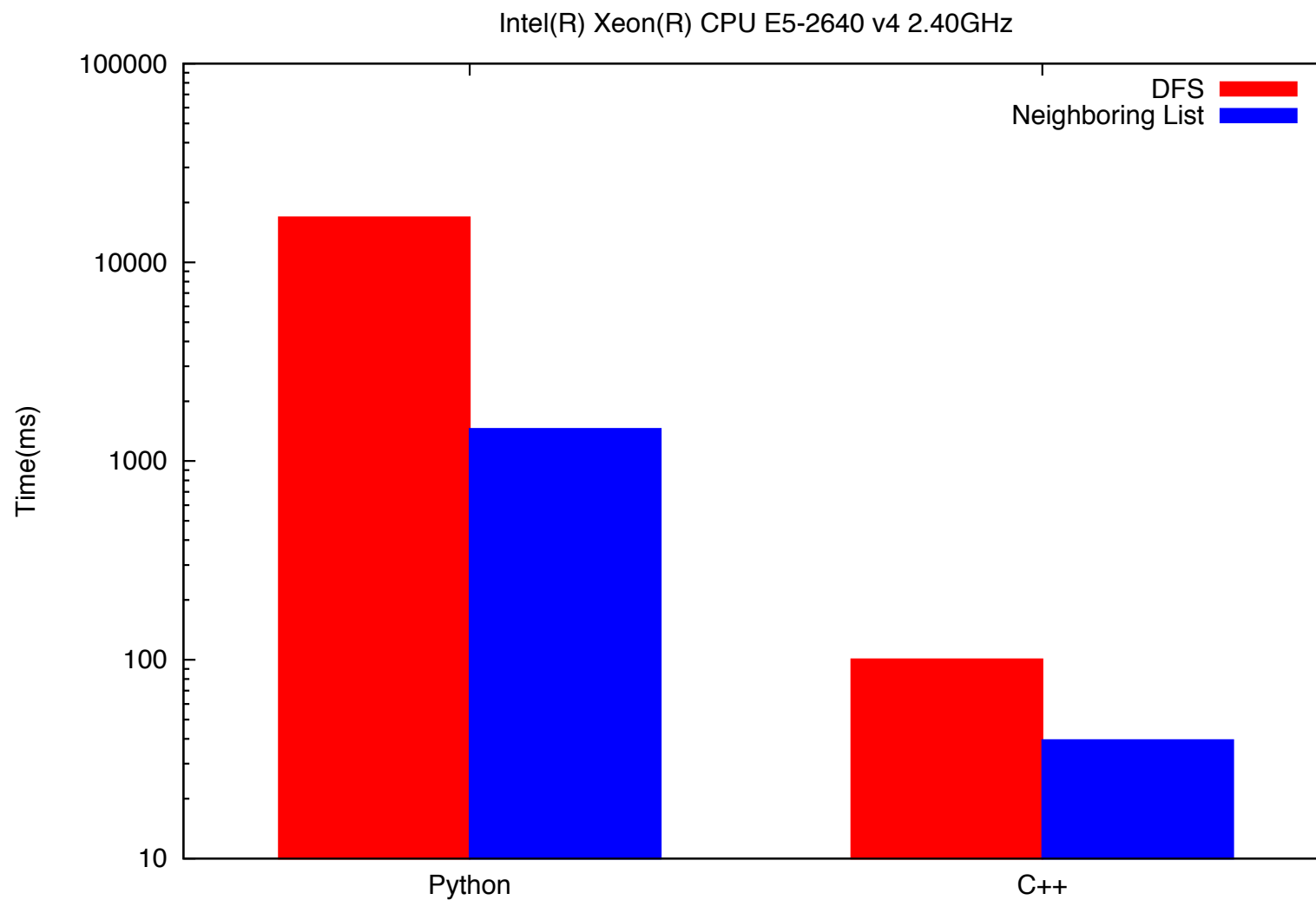
# Method-Working Flow



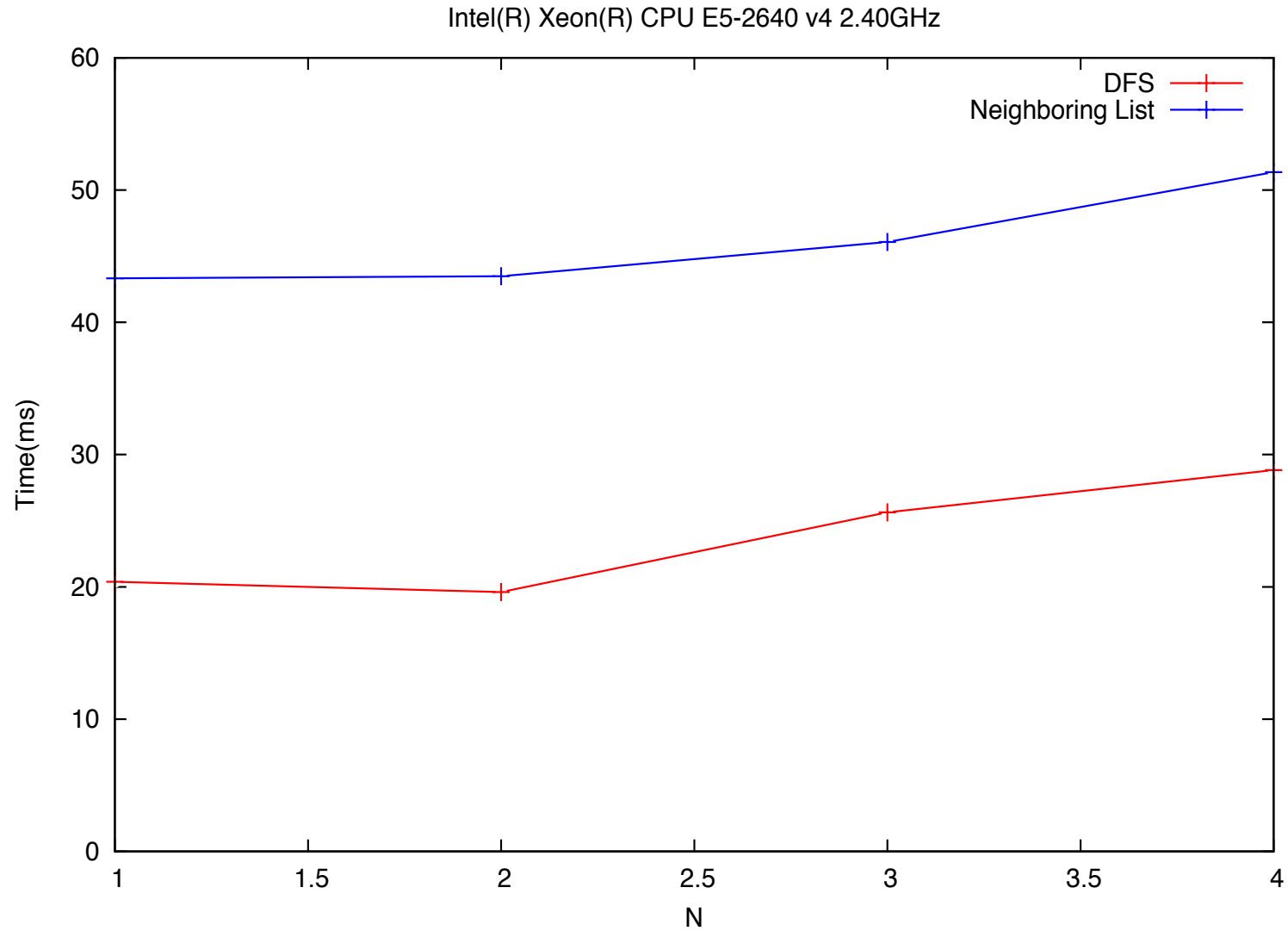
# Method-Details



# Result-C++/Python



# Result-OpenMP



# Conclusion

- C++ is more than 100 times faster than Python
- Parallelization does not improve the efficiency because of the over heading and size of testing system