Tools of high performance computing 2024

Exercise 9 (the last one)

Return by Monday 25.3.2024 23:59 to Moodle.
Exercise session: Tueday26.3.2024

This is the last exercise of the course.

Problem 1. *(24 points)*

Try to parallelize the 1D molecular dynamics program of exercise 8 using
OpenMP. Concentrate on the loops over particles. Report the results of speedup as
a function of number of threads.