# 1 Performances optimization and input parameter analysis

The work-stealing scheduler module takes as input three different execution parameters:

- Array size;
- Number of servers that must be created by the scheduler;
- The sequential cut-off parameter that is the size of array that will be processed sequentially even in multi-threading execution of the scheduler.

All these parameters affects the concurrent ordering execution time, and relative speed-up on the sequential one.

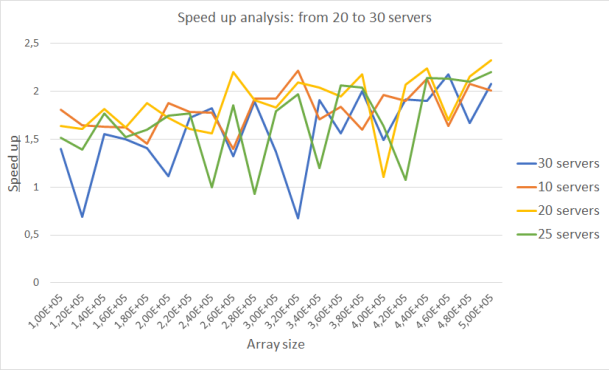


Figure 1:

# 2 Prova

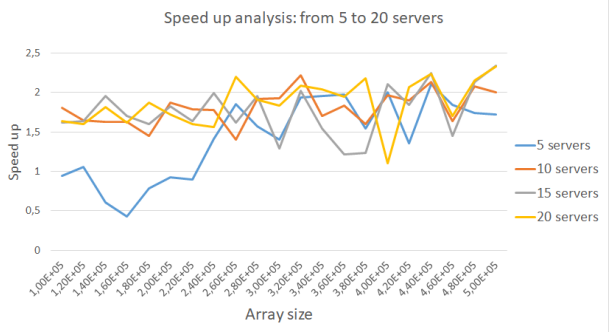


Figure 2:

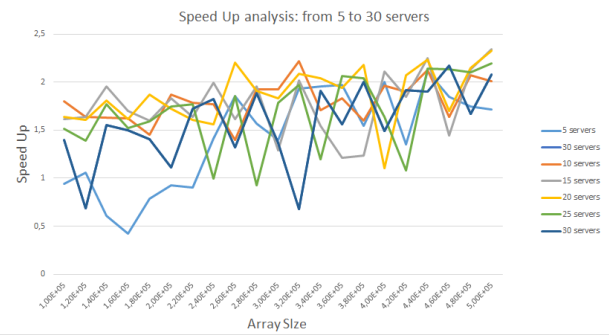


Figure 3:

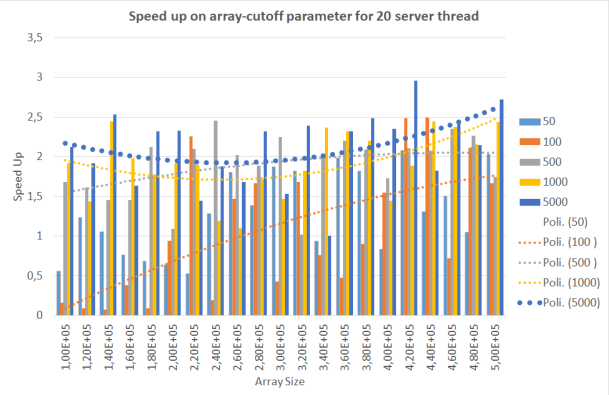


Figure 4:

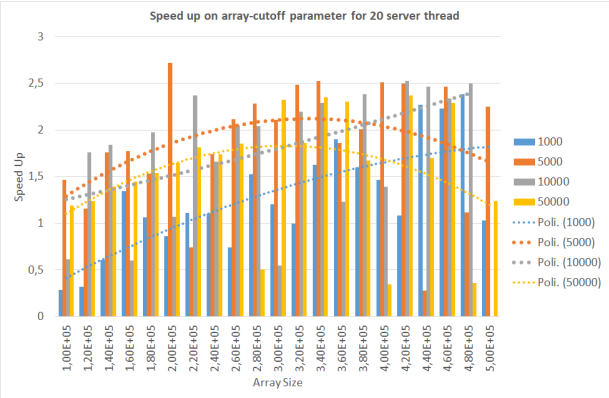


Figure 5:

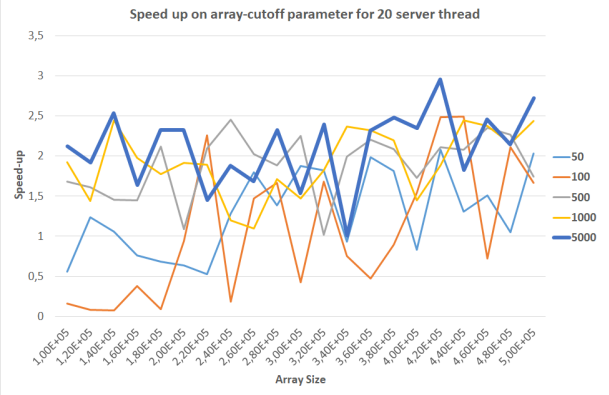


Figure 6:

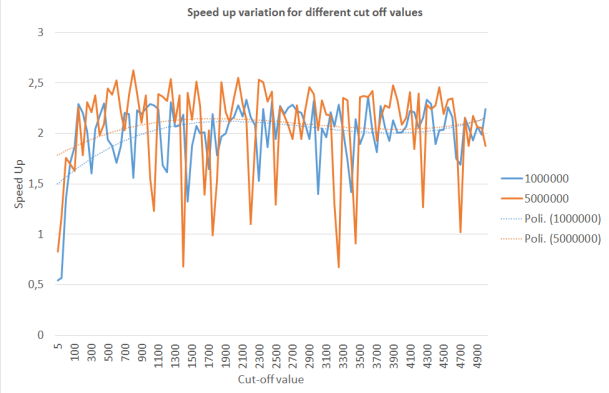


Figure 7: