

# Comparison of Matrix Multiplication

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## I. METHODOLOGY

### A. Warm-up

- I conducted the warm-up measurement using the methodology outlined in the assignment. Following that, I ran a benchmark test involving 30 warm-up iterations, 100 measured interactions, and 10 forks.

### B. Measurements

- Brief description of how the time performance is measured.

### C. Comparison

- Brief description of how the implementations are compared.

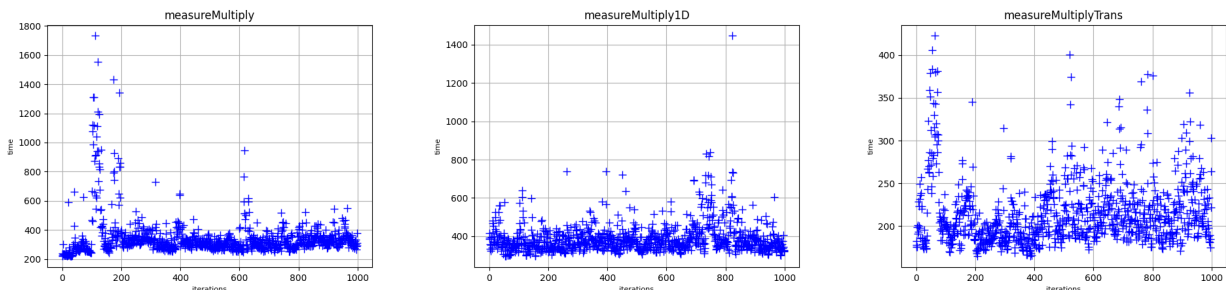
## II. MACHINE SPECIFICATION

- CPU, memory, OS, etc.
- JVM parameters if used.

## III. RESULTS

### A. Warm-up

- The initial results were unsatisfactory. The error was likely due to running the program in WSL with insufficient prioritization and performance, thus being influenced by other factors. Nevertheless, I initiated the benchmarking program with 50 warm-up iterations and 50 forks, monitoring the terminal output to observe how the data changes.



- After analyzing the data, I discovered that the program consistently starts very quickly, and the warm-up only affects the initial launch. Subsequent errors are related to other programs running concurrently with the benchmark. The data can be reviewed in the project repository: <https://github.com/petrkucera/ESW/tree/main/hw/hw04/assets>.

### B. Measurements

- Results of the time measurements including a graph with displayed confidence intervals and a table.

### C. Comparison

- Results of the comparison of the implementations.

## IV. CONCLUSION

- Summary of the results with a discussion