

HEIDELBERG UNIVERSITY
INSTITUTE FOR COMPUTER ENGINEERING (ZITI)

MASTER OF SCIENCE COMPUTER ENGINEERING
GPU COMPUTING

Exercise 7

gpucomp03

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Due date January 26th, 09:00

7.1 Naive GPU implementation

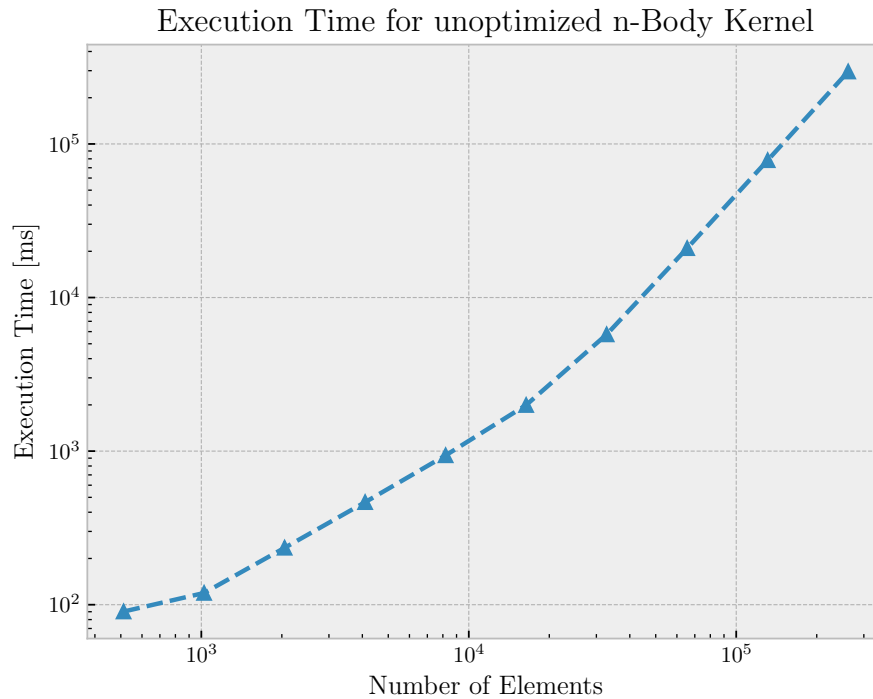


Figure 1: Execution times for unoptimized n-body kernel

7.2 Optimized GPU implementation

7.3 n-Body GPU computations and streaming

7.4 Willingness to present

Hereby, we declare our will to present the results shown in the former sections.

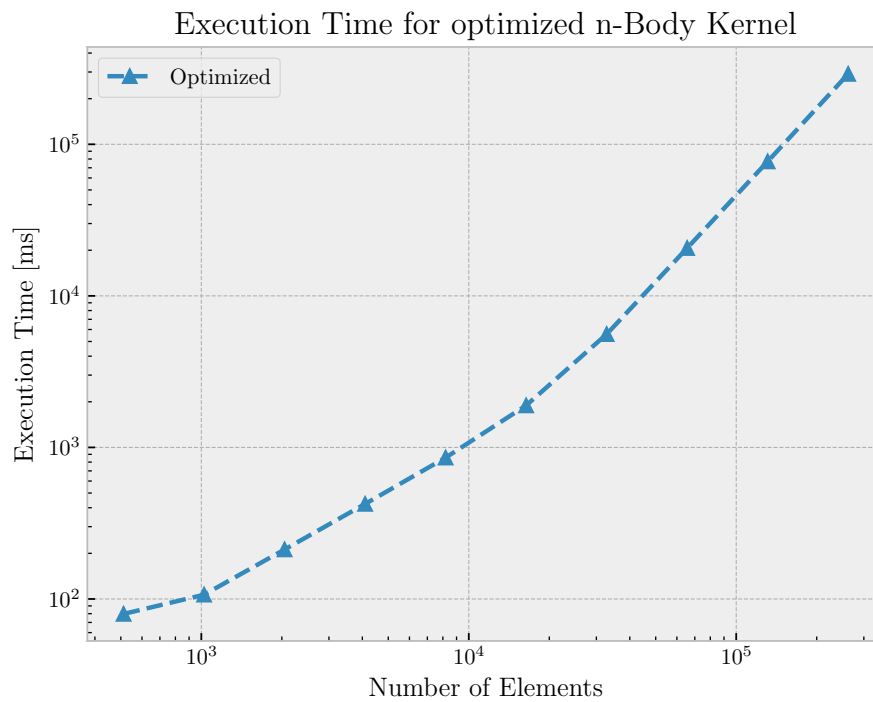


Figure 2: Execution times for unoptimized n-body kernel

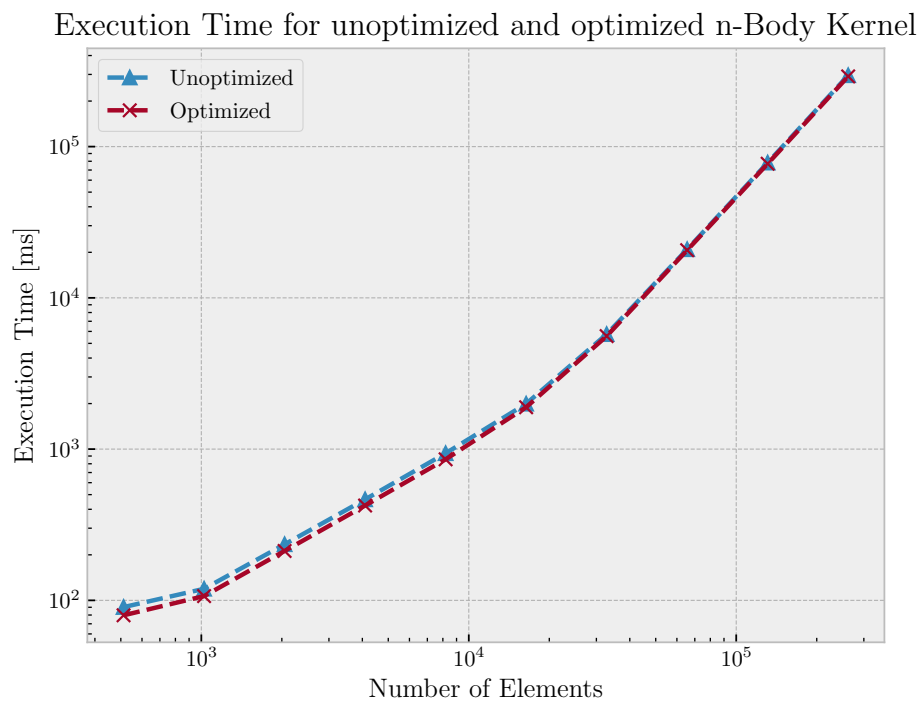


Figure 3: Comparison of execution times for optimized and unoptimized versions