

Programming Assignment 6

ECE 759, Prof. TW Huang

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GitHub link to programming tasks:

<https://github.com/phantom3012/repo759/tree/main/HW06>

1 Question 1

1.a

`matmul.cu` can be found at <https://github.com/phantom3012/repo759/blob/main/HW06/matmul.cu>

1.b

`task1.cu` can be found at <https://github.com/phantom3012/repo759/blob/main/HW06/task1.cu>

1.c

Scaling analysis plot for `task1` is shown below:

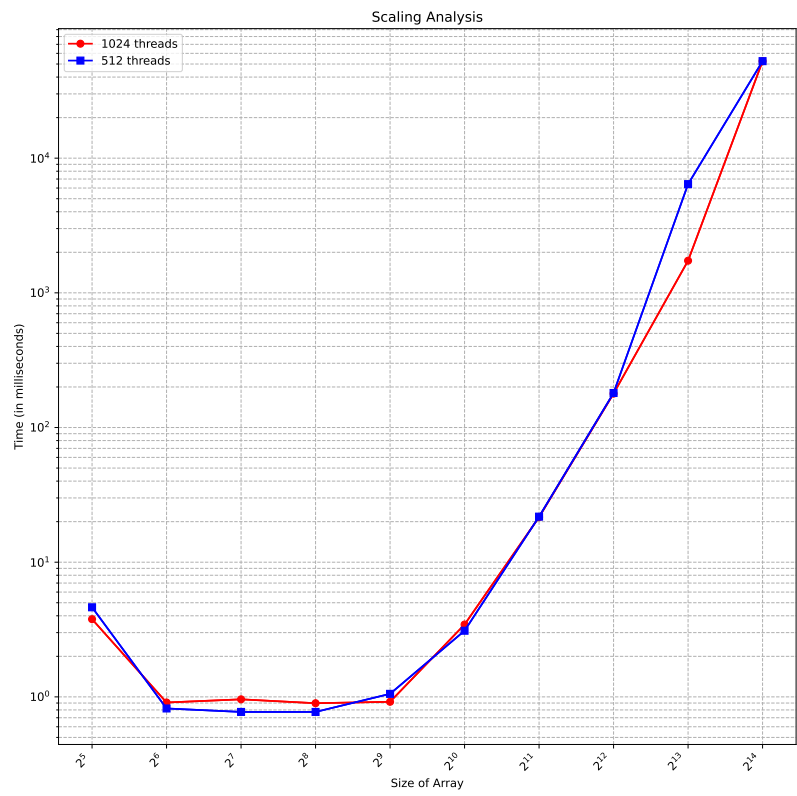


Figure 1: Scaling Analysis for task1 (matrix multiplication)

2 Question 2

2.a

stencil.cu can be found at <https://github.com/phantom3012/repo759/blob/main/HW06/stencil.cu>

2.b

task2.cu can be found at <https://github.com/phantom3012/repo759/blob/main/HW06/task2.cu>

2.c

Scaling analysis plot for task2 is shown below:

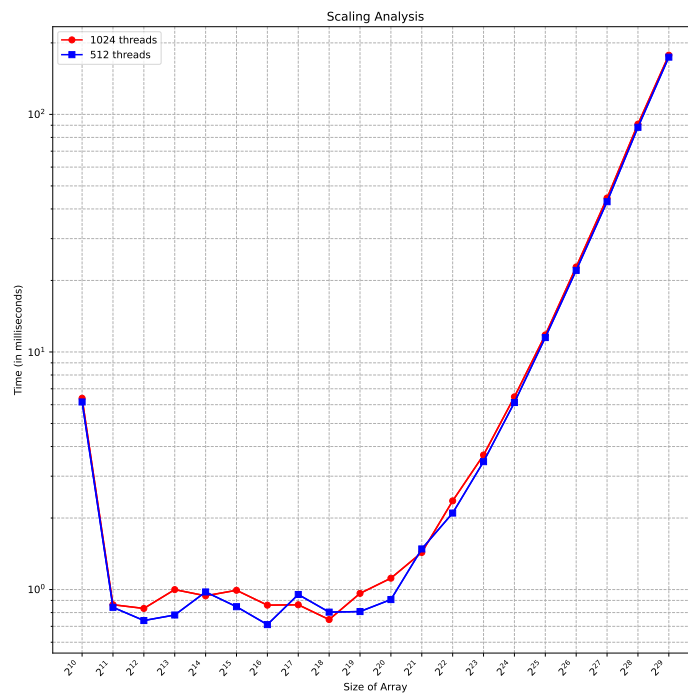


Figure 2: Scaling Analysis for task2 (stencil computation)