

Matrix Multiplication Runtime

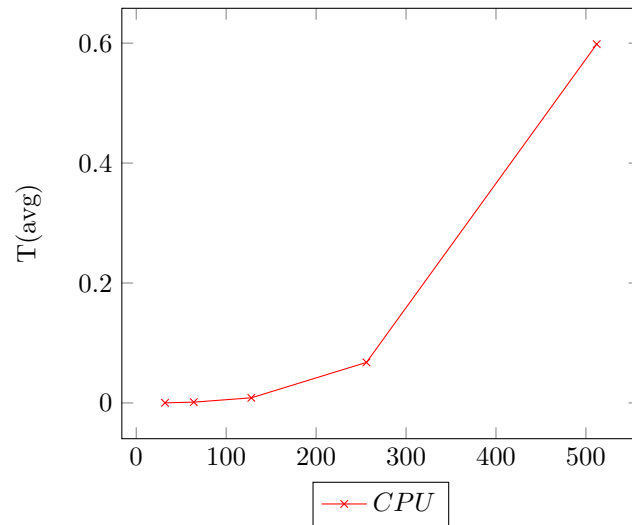
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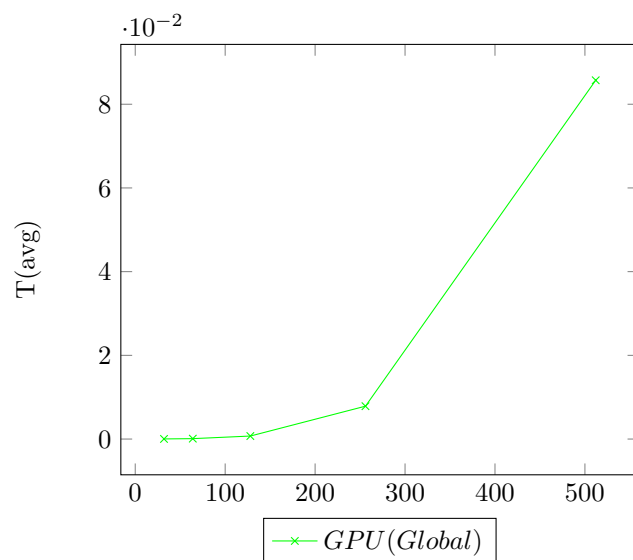
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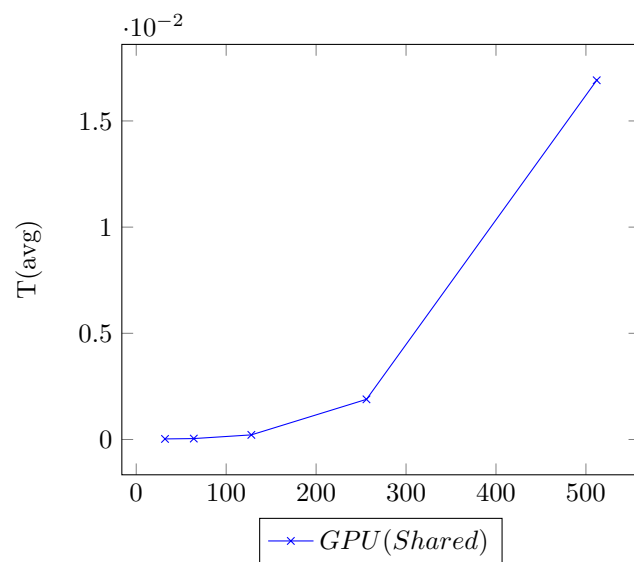
1 CPU Program runtime



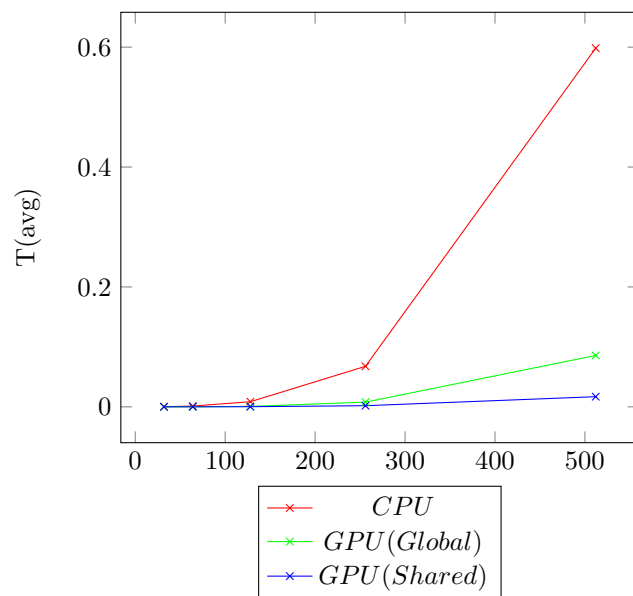
2 GPU Global Memory Program(CUDA) run-time



3 GPU Shared Memory Program(CUDA) run-time



4 Comparison



5 Conclusion

CPU gets the maximum time to execute the program. When compared to cpu, global memory gets less time. Shared memory is faster than this global memory also. It is the fastest one.

6 References

- <https://en.wikibooks.org/wiki/LaTeX>
- <https://tex.stackexchange.com>