

### **Lab 3 – Matrix multiplication**

Laptop: ASUS Strix 15 GL503GE

OS: PopOS 21.04

Kernel: x86\_64 Linux 5.13.0-7614-generic

CPU: Intel i7-8750H (12) @ 4.100GHz

GPU: NVIDIA GeForce GTX 1050 Ti

Benchmark:

250 x 250 matrices → normal threads: 0.0423s; thread pool: 0.0414s

500 x 500 matrices → normal threads: 0.3503s; thread pool: 0.3287s

750 x 750 matrices → normal threads: 1.1559s; thread pool: 1.1346s

1000 x 1000 matrices → normal threads: 3.7106 s; thread pool: 3.1525s

2000 x 2000 matrices → normal threads: 29.2216s; thread pool: 34.0248s