Specificatii Proiect

Algoritmul folosit: QuickSort

Limbaj de programare folosit: C++, STL

Framework-uri folosite: OpenMP, OpenACC

Informatii masina:

Processor - Intel(R) Core(TM) i7-6700 CPU @ 3.40GHz 3.40 GHz

Installed RAM - 16.0 GB

System type - 64-bit operating system, x64-based processor

Graphics card - GTX 970

Rezultate experimentale pentru variantele secvențiale:

**100.000 numere**

32 bit

C++ - 30.157 s - 0.5 min

STL - 53.583 s - 0.9 min

64 bit

C++ - 72.153 s - 1.2 min

STL - 135.702 s - 2.3 min

**1.000.000 numere**

32 bit

C++ - 251.436 s - 4.2 min

STL - 485.419 s - 8.1 min

64 bit

C++ - 695.204 s - 11.6 min

STL - 1259.208 s - 21 min