Lab 3 - CUDA

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I implement the CUDA version with following steps:

- Prepare device's memory (allocation, memory copy)

- Calculating block size

- Writing the kernel and invoke it

- Copy output back from device to host

- Free device's memory

Here is the speed up:

- CPU version: 2800 ms

- CPU - OpenMP version: 700 ms

- CUDA version: 21.8 ms