**Implementation details.**

Program reads a QASM program from a text file.

Qubit topology - This implementation assumes all connectivity between the qbits which is incorrect for most of the available quantum devices. Since this does not consider SWAP operations actual results may vary significantly.

Scheduling: Gates can be executed in parallel depending upon the architecture and compiler, which can reduce the execution time.

Gate delays and coherence time are average values and may vary significantly from device to device.

**References:**

<https://dl.acm.org/doi/10.1145/3307650.3322273>

<https://github.com/Qiskit/openqasm>

**Note:**

**My interests:**

**Quantum Programming and compilers – scheduling, resource allocation, optimization and architectural aspects of quantum devices.**

**I hope to get a chance to work with you.**

**Thanks**