

Quantum Information and computing

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Exam assignment

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Exercise 1:

Study the paper *Observation of separated dynamics of charge and spin in the Fermi-Hubbard model* (<https://arxiv.org/pdf/2010.07965.pdf>)

Exercise 2:

Implement a code to reproduce the quantum circuits used in the paper. For this task, you can use an open-source library such as Cirq, Qiskit, etc.

Exercise 3:

Test your code to reproduce the main results contained in the reference paper.