

Exercise Set 2

Quantum Computer Programming

1. [Nielsen10] Exercises 2.51, 2.52 and 2.53 pp 82
2. Calculate and draw the circle in the section 7 of the presentation about qubits for all the following unitary operators: H , Y , Z , HZ and ZH .

References

[Nielsen10] Michael A. Nielsen & Isaac L. Chuang. Quantum Computation and Quantum Information. CAMBRIDGE UNIVERSITY PRESS. 2010