Chapter 9: Multi-Qubit Gates and Quantum Circuits

This section is already in the book plan, but it has not been written fully yet. The book owner can press Generate section to write this part with the language model connected to TheoryTrace.

Section plan:

Introduces controlled operations and circuit diagrams, including CNOT, controlled-Z, SWAP, and Toffoli gates. Students learn how to read, design, and analyze basic quantum circuits step by step.

References

References will be added when this section is generated.

Document information

Chapter 9: Multi-Qubit Gates and Quantum Circuits

Project	Quantum Computing from First Principles
Document	Document 1.13
Author	mujirin
Verifier	Not verified
Downloaded	July 05, 2026 21:37 KST
Status	Working
Document link	https://theorytrace.com/projects/quantum-computing-from-first-principles/documents/chapter-9-multi-qubit-gates-and-quantum-circuits/