Chapter 21: Near-Term Quantum Algorithms

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 variational and hybrid quantum-classical methods such as VQE and QAOA. Students learn what near-term algorithms try to achieve, why optimization loops are used, and what limitations currently remain.

References

References will be added when this section is generated.

Document information

Chapter 21: Near-Term Quantum Algorithms

Project	Quantum Computing from First Principles
Document	Document 1.25
Author	mujirin
Verifier	Not verified
Downloaded	July 04, 2026 19:24 KST
Status	Working
Document link	https://theorytrace.com/projects/quantum-computing-from-first-principles/documents/chapter-21-near-term-quantum-algorithms/