

Chapter 22: Quantum Complexity and What Speedup Really Means

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:

Places quantum computing in the broader theory of computation. Students learn P, NP, BPP, BQP, exponential versus polynomial speedups, and why quantum computers are not simply faster for every problem.

References

References will be added when this section is generated.

Document information

Chapter 22: Quantum Complexity and What Speedup Really Means

Project	Quantum Computing from First Principles
Document	Document 1.26
Author	mujirin
Verifier	Not verified
Downloaded	July 04, 2026 18:14 KST
Status	Working
Document link	https://www.theorytrace.com/projects/quantum-computing-from-first-principles/documents/chapter-22-quantum-complexity-and-what-speedup-really-means/