

## Chapter 11: Quantum Phase Estimation

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 phase estimation as a general algorithmic primitive. The chapter shows how controlled powers of a unitary, inverse QFT, and measurement estimate eigenphases, then explains why order finding is naturally a phase estimation problem.

### References

References will be added when this section is generated.

# Document information

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| <b>Project</b>       | Shor's Algorithm from First Principles  |
| <b>Document</b>      | Document 1.15   |
| <b>Author</b>        | mujirin   |
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