

7. Quantum entanglement

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Entanglement in pure state

Entanglement in mixed state

Quantity of the entanglement

Entanglement witness

General theory of Entanglement witness

Entanglement in pure state

Entanglement in mixed state

Non-separable state: entangled state

Summary: condition of entanglement

Quantity of the entanglement

Distillation of entanglement in pure state

Summary: quantity of entanglement

Entanglement witness

Summary: entanglement witness of arbitrary quantum state

General theory of Entanglement witness

Another definition of entanglement using Channel

Summary

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- Lecture notes for EE547: Introduction to Quantum Information Processing (Fall 2024)