January 30-February 3,2023: Quantum Computing, Quantum Machine Learning and Quantum Information Theories

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Overview, Composite Systems and Tensor Products Composite systems and Tensor products.

- 1. Tensor products of Hilbert Spaces and definition of Computational Basis
- 2. Simple Hamiltonians and other operators
- 3. States and Observables for Composite systems
- 4. Quantum operations