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3: Time-Evolution Operator

\[ |\ell\rangle \quad \longrightarrow \quad \text{---} \quad \text{---} \quad |k\rangle \]

- 4: Irreversible Relaxation

- 5: The Density Matrix

- 6: Adiabatic Approximation

- 7: Interaction of Light and Matter
8: Mixed States and the Density Matrix

9: Irreversible and Random Processes

10: Time-Correlation Functions

11: Linear Response Theory
12: Time-domain Description of Spectroscopy

13: Coupling of Electronic and Nuclear Motion

14: Fluctuations in Spectroscopy

15: Energy and Charge Transfer
16: Quantum Relaxation Processes

- Back Matter