1 Non-Markovian Quantum State Diffusion

1.1 The Microscopical Model

As mentioned above, the main objective of this work is the description of a system under the influence of an environment. Altough

1.2 Linear NMSSE

- 1.2.1 Convolutionless Formulation
- 1.2.2 Master Equation
- 1.3 Nonlinear NMSSE
- 1.4 Markov Limit
- 1.5 Interpretation of NMSSE
- 1.5.1 NMSSE as Continous Measurement
- 1.5.2 Linear NMSSE as Schrödinger Equation
- 1.5.3 A Time-Nonlocal Picture
- 1.6 Finite Temperature Theory
- 1.6.1 Thermofield Method
- 1.6.2 Unitary Noise
- 1.7 Dissipative Two-level System

Bibliography