SECTION OVERVIEW

13.5: Quantum Linear Response Theory

Consider again the Hamiltonian for a system coupled to a time-dependent field

$$H = H_0 - BF_e(t)$$

We wish to solve the quantum Liouville equation

$$i\hbar\frac{\partial\rho}{\partial t} = [H, \rho]$$

in the linear regime where $F_e(t)$ is small.

Template:HideTOC