

## CHAPTER OVERVIEW

### 15: Spectroscopy

The tools of time-dependent perturbation theory can be applied to transitions among electronic, vibrational, and rotational states of molecules.

[15.1: Rotational Transitions](#)

[15.2: Vibration-Rotation Transitions](#)

[15.3: Electronic-Vibration-Rotation Transitions](#)

[15.4: Time Correlation Function Expressions for Transition Rates](#)

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