

CHAPTER OVERVIEW

17: Classical Mechanics

Quantum mechanics cannot be derived from classical mechanics, but classical mechanics can inspire quantum mechanics. Quantum mechanics is richer and more sophisticated than classical mechanics. Quantum mechanics was developed during the period when physicists had rich knowledge of classical mechanics. In order to better understand how quantum mechanics was developed in this environment, it is better to understand some fundamental concepts in classical mechanics. Classical mechanics can be considered as a special case of quantum mechanics. We will review some classical mechanics concepts here.

[17.1: Newtonian Formulation](#)

[17.2: Lagrangian Formulation](#)

[17.3: Hamiltonian Mechanics](#)

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