

Non-relativistic Quantum Mechanics

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Abstract

This essay is a discussion of the philosophical and foundational issues that arise in non-relativistic quantum theory. After introducing the formalism of the theory, I consider: characterizations of the quantum formalism, empirical content, uncertainty, the measurement problem, and non-locality. In each case, the main point is to give the reader some introductory understanding of some of the major issues and recent ideas.

Keywords: quantum theory, quantum mechanics, measurement problem, uncertainty, nonlocality

Subjects: [Specific Sciences: Physics: Quantum Mechanics](#)

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