

PHYS4810 : Fundamentals of Quantum Mechanics

A beginning course in quantum mechanics which starts with the postulates and derives Schrodinger's equation from physical optics principles. Several simple systems are studied and the properties of eigenfunctions are used to introduce matrix methods and operator theory. Emphasis is placed on mathematical formalism with applications to atomic systems.

Credits 3

Prerequisite Courses

MATH3530

MATH3540

PHYS2120

Semester Offered

Alternate years.