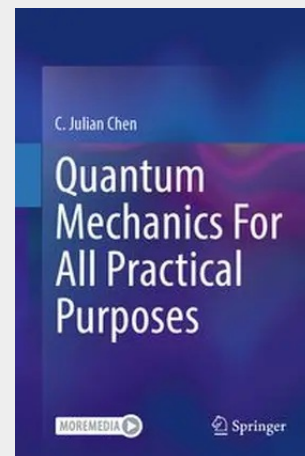


Quantum Mechanics For All Practical Purposes

Following John Bell's heartfelt request for a realism-based, intuitively understandable, and application orientated quantum mechanics textbook in his 1990 article Against 'Measurement', this textbook is designed to teach the basic physics required to understand much of modern science and technology, including atoms, molecules, semiconductors, transistors and integrated circuits, lasers, light-emitting diodes, solar cells, all areas of chemistry, and molecular biology. Presented from a realist standpoint that treats the wavefunction as a physical field, the concepts in this paradox-free textbook coincide with those in quantum field theory. With only advanced-placement calculus as a prerequisite, this textbook will be a valuable support for quantum mechanics courses aimed at freshman and sophomore STEM students. A comprehensive Solutions Manual, containing detailed solutions to all end-of-chapter problems and additional worked examples, is available electronically to instructors.

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