



Essential Quantum Physics (Paperback)

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 Language: English Brand New Book ***** Print on Demand *****.
 This book provides a first course on quantum mechanics and describes simple applications to physical phenomena that are of immediate and everyday interest. The first five chapters introduce the fundamentals of quantum mechanics and are followed by a revision quiz with which readers may test their understanding. The remaining chapters describe applications, including the physics of lasers, molecular binding, simple properties of crystalline solids arising from their band structure, and the operation of junction transistors. This new edition (first edition entitled Simple Quantum Physics) has been expanded to include a chapter on the theory of spin and its application to magnetic resonance imaging, as well as a description of the WKB approximation and its application to alpha decay. Ideal either as a course text or a self-study text, the book contains nearly 100 exercises and hints to their solution.



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