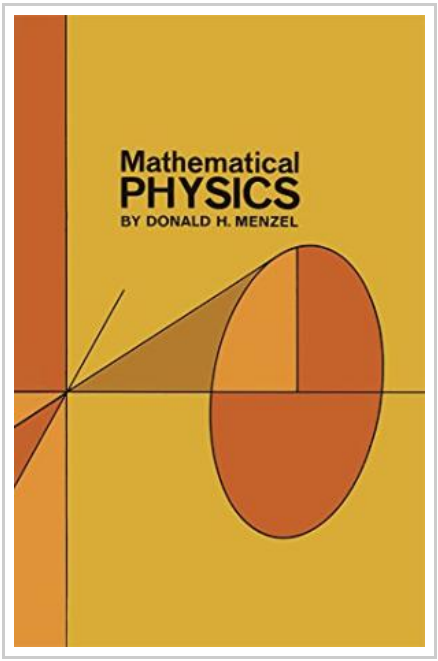

Mathematical Physics

By Physics

Dover Publications. Paperback. Book Condition: New. Paperback. 432 pages. Dimensions: 8.4in. x 5.3in. x 0.9in.This is a thorough treatment in one volume of the mathematical techniques vital in classical mechanics, electromagnetic theory, quantum theory, and relativity. Designed for junior, senior, and graduate courses in mathematical physics, it presents full explanations of function theory, vectors, matrices, dyadics, tensors, partial differential equations, and other advanced mathematical techniques in their logical order during the presentation of the various physical theories. The completeness of the derivations makes the book especially useful for self-study. Several topics seldom presented, such as electron theory and relativity, appear in considerable detail, because an understanding of them is increasingly vital to the student of atomic physics. But the authors treatment of his chosen subjects in classical physics is no way slighted, and his book has proved valuable to students in all fields of physics. The opening section provides scores of definitions, conversion factors, dimensional constants, and electromagnetic quantities for ready reference later on. There follows a full treatment of the main branches of classical physics: potential theory, spherical harmonics, vector analysis, dyadics, matrices, tensors, hydrodynamics, advanced dynamics, waves and vibrations, quantum mechanics, electromagnetic theory, and radiation theory. The book...

Reviews

An incredibly amazing ebook with perfect and lucid answers. It is writter in basic terms and never difficult to understand. Its been written in an exceptionally basic way and it is only right after i finished reading this ebook in which in fact modified me, affect the way i really believe.

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Extremely helpful for all class of individuals. Better then never, though i am quite late in start reading this one. I realized this publication from my i and dad suggested this ebook to discover.

-- ***Adela Schroeder II***