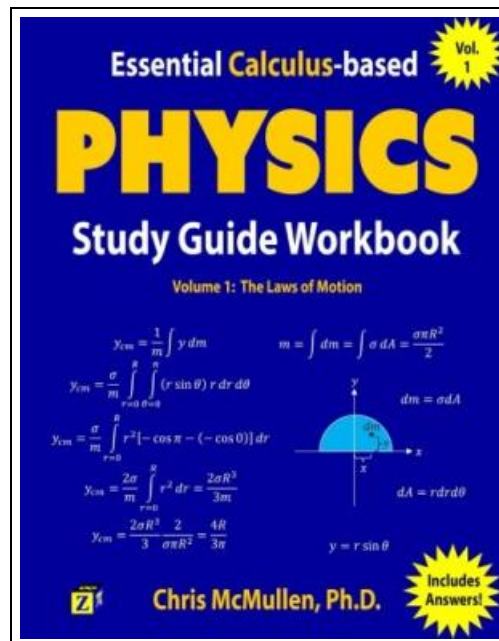


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ESSENTIAL CALCULUS-BASED PHYSICS STUDY GUIDE WORKBOOK: THE LAWS OF MOTION (PAPERBACK)



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Zishka Publishing, 2016. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.LEVEL This book covers physics with calculus at the university level. (If instead you re looking for a trig-based physics book, search for ISBN 1941691145.) DESCRIPTION This combination of physics study guide and workbook focuses on essential problem-solving skills and strategies: Fully solved examples with explanations show you step-by-step how to solve standard university physics problems.Handy charts tabulate the symbols, what they mean, and their SI units.Problem-solving strategies are broken down into steps and illustrated with examples.Answers, hints, intermediate answers, and explanations are provided for every practice exercise.Terms and concepts which are essential to solving physics problems are defined and explained.VOLUME This volume covers motion, including uniform acceleration, calculus-based motion, vector addition, projectile motion, Newton s laws, center of mass integrals, conservation of energy, collisions, the scalar and vector product, rotation, moment of inertia integrals, satellites, and more. (Vol. 2 covers electricity and magnetism, while Vol. 3 covers waves, fluids, heat, sound, and light. Vol. s 2-3 will be released in the spring of 2017.) AUTHOR The author, Dr. Chris McMullen, has over 20 years of experience teaching university physics in California, Oklahoma, Pennsylvania, and Louisiana (and has also taught physics to gifted high school students). Dr. McMullen currently teaches physics at Northwestern State University of Louisiana. He has also published a half-dozen papers on the collider phenomenology of superstring-inspired large extra dimensions. Chris McMullen earned his Ph.D. in particle physics from Oklahoma State University (and his M.S. in physics from California State University, Northridge). Dr. McMullen is well-known for: engaging physics students in challenging ideas through creativitybreaking difficult problems down into manageable stepsproviding clear and convincing explanations to subtle issueshis mastery of physics and strong background in mathematicshelping students become more fluent in...



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