



## Essential Calculus-Based Physics Study Guide Workbook: The Laws of Motion (Paperback)

By Chris McMullen

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. Vols 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,...



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