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100 Instructive Trig-based Physics Examples: The Laws of Motion (Trig-based Physics Problems with Solutions) (Volume 1)

By Chris McMullen

Zishka Publishing. Paperback. Condition: New. 214 pages. Dimensions: 11.0in. x 8.5in. x 0.5in. DESCRIPTION: over 100 fully-solved examples step-by-step solutions with explanations standard problems from trig-based physics includes tables of equations, symbols, and units This volume covers motion, including uniform acceleration, vector addition, projectile motion, Newton's laws, conservation of energy, work, collisions, rotation, center of mass, moment of inertia, 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, 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 creativity breaking difficult problems down into manageable steps providing clear and convincing explanations to subtle issues his mastery of physics and strong background in mathematics helping...



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