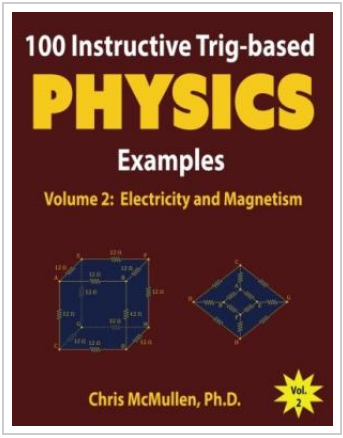

100 Instructive Trig-Based Physics Examples: Electricity and Magnetism (Paperback)

By Chris McMullen

Zishka Publishing, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.DESCRIPTION: over 100 fully-solved examplesstep-by-step solutions with explanationsstandard problems from trig-based physicsincludes tables of equations, symbols, and unitsThis volume covers electricity and magnetism, including electric field, Gauss s law, electric potential, capacitance, resistance, Kirchhoff s rules, RC Circuits, right-hand rules, magnetic field, Ampere s law, Faraday s law, Lenz s law, inductance, AC circuits, 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...

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