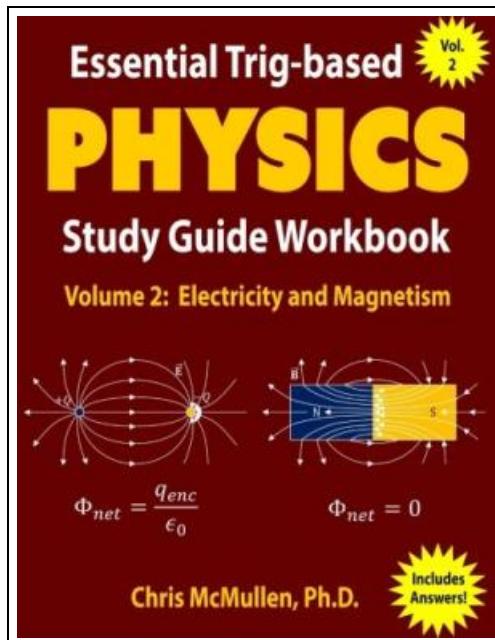


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Zishka Publishing, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. LEVEL This book covers the electricity and magnetism topics from trig-based physics at the university level. (If instead you're looking for a calculus-based physics book, search for ISBN 1941691110.) 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 electricity and magnetism, including electric fields, Gauss's law, circuits, Kirchhoff's rules, magnetic fields, right-hand rules, the law of Biot-Savart, Ampere's law, Lenz's law, Faraday's law, AC circuits, an introduction to Maxwell's equations, and more. 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 students become more fluent in practical math skills. SOLUTIONS The back of the book includes a detailed section of hints, intermediate answers, ...

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