



Mathematical Physics, Vol. 1: Electricity and Magnetism (Classic Reprint) (Paperback)

By C W C Barlow

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English Brand New Book ***** Print on Demand *****.Excerpt from Mathematical Physics, Vol. 1: Electricity and Magnetism A satisfactory knowledge of Physics must include Mathematics. Wide reading about apparatus, processes, and results is often rendered nearly worthless by the passage of a few years, which introduce new ideas and mechanism. But the mechanical interactions and numerical relations between physical quantities remain. The theory of the quadrant electrometer and the tangent galvanometer survives, when the construction of the instruments changes. Every good text-book must therefore contain many numerical examples. This book, which is intended to supplement the ordinary text-book, is devoted exclusively to the mathematical aspect of the subject. Only such descriptions of instruments are given as are essential to the type of instrument and are involved in its mathematical theory. General facts are considered from a numerical or geometrical point of view. A special point has been made of the elementary mathematics of the electric discharge in vacuum tubes and of radioactivity. Enough is given to make some of the popular treatises really intelligible. About the Publisher Forgotten Books publishes hundreds of thousands of rare and...



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