



A Treatise on Electricity and Magnetism

By James Clerk Maxwell

Cambridge University Press. Paperback. Book Condition: New. Paperback. 484 pages. Dimensions: 8.3in. x 5.5in. x 1.3in.Arguably the most influential nineteenth-century scientist for twentieth-century physics, James Clerk Maxwell (1831-1879) demonstrated that electricity, magnetism and light are all manifestations of the same phenomenon: the electromagnetic field. A fellow of Trinity College Cambridge, Maxwell became, in 1871, the first Cavendish Professor of Physics at Cambridge. His famous equations - a set of four partial differential equations that relate the electric and magnetic fields to their sources, charge density and current density - first appeared in fully developed form in his 1873 Treatise on Electricity and Magnetism. This two-volume textbook brought together all the experimental and theoretical advances in the field of electricity and magnetism known at the time, and provided a methodical and graduated introduction to electromagnetism. Volume 1 covers the first elements of Maxwells electromagnetic theory: electrostatics, and electrokinematics, including detailed analyses of electrolysis, conduction in three dimensions, and conduction through heterogeneous media. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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