



Elementary Electricity and Magnetism

By Barry MacNutt

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 182 pages. Dimensions: 9.0in. x 6.0in. x 0.4in. An excerpt from the beginning of the INTRODUCTION: The study of electricity and magnetism as represented in the following chapters is independent of any consideration of the nature of the physical action which leads to the production of electromotive force in a voltaic cell or dynamo; it is independent of any consideration of the nature of the physical action which constitutes an electric current in a wire; it is independent of any consideration of the nature of the disturbance which constitutes a magnetic field; and it is independent of any consideration of the nature of the disturbance or stress which constitutes an electric field. This kind of study of electricity and magnetism may very properly be called electro-mechanics. Simple mechanics is the study of ordinary bodies at rest or in visible motion, and one of the most important ideas in mechanics is the idea of force, but the science of mechanics is not concerned with, and indeed it sheds no light upon, the question as to the physical nature of force. Thus, the science of mechanics is not...



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