



Essentials of Electrical Engineering: A Text Book for Colleges and Technical Schools (Classic Reprint) (Paperback)

By John Fay Wilson

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Essentials of Electrical Engineering: A Text Book for Colleges and Technical Schools The widely prevalent belief that continuous and alternating currents are not subject to the same general laws, is entirely erroneous. The principles and laws which relate to the flow of continuous currents also govern the flow of alternating currents. This volume, which is offered as a text for the use of students pursuing either electrical or non-electrical engineering courses, is the result of the writers class-room experience, and seeks to emphasize the fact that continuous and alternating currents are governed by the same laws. To this end the fundamental laws of the electric circuit are fully developed before any study of machines is attempted. With a thorough knowledge of the electric circuit as a foundation, the student should have little trouble in comprehending the physical phenomena taking place in the more common types of electrical apparatus. The student is expected to be familiar with trigonometry, and a knowledge of calculus will be found advantageous but not indispensable. The mathematical developments of the formulae...



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