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Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1907 Excerpt: .such as are occasioned by steady alternating impressed voltages, as well as those occurring during the transient periods by which a change from one steady condition to another takes place. The investigation of the performance of coupled circuits under steady alternating conditions is of peculiar interest in that much light is thrown thereby upon the more complicated phenomena taking place during transient periods. The very important commercial apparatus, the transformer, falls under this head as a special case. With the increasing use of high-frequency currents it becomes of importance to realize and to be able to express mathematically the effect which adjacent circuits may have on the principal circuit, between which circuits electromagnetic coupling may exist. These mutual effects become particularly evident at high frequencies. For a short statement of the problem of coupled circuits as applying to transient conditions, the introduction to a paper by...



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