



## Papers on Alternating Currents of Electricity for the Use of Students and Engineers (Classic Reprint) (Paperback)

By Thomas Holmes Blakesley

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Papers on Alternating Currents of Electricity for the Use of Students and Engineers It is often taken for granted that the simple form of Ohm's law - total E.M.F. - total resistance = total current - is true for alternating currents. That is to say, the E.M.F. employed in the formula is taken to be the sum of the impressed E.M.F.s alone. That there are causes which modify the value of the current as deduced from this simple equation, such as mutual or self-induction, or the action of condensers, is often acknowledged in text books, and the values and laws of variation of the current are correctly stated for certain cases of instantaneous contact and breaking of circuit. But the effect of an alternating E.M.F. upon a circuit affected by self-induction, mutual-induction, and condensing action, has not been, as far as I know, put into a tangible working form. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical...



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