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Demonstration Apparatus to Illustrate the Operation of Synchronous Machines: Thesis (Classic Reprint) (Paperback)

By Klaus Edward Hellstrom

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Demonstration Apparatus to Illustrate the Operation of Synchronous Machines: Thesis The circle diagram has recently been applied to the study of the interaction of synchronous machines by Professor Morgan Brooks and M. K. Akers, and it has served a useful purpose in the interpretation of the somewhat obscure problems involved in the operation of alternating current machines. The vector relations, which have been assumed in the application of the circle diagram, are known to be the least approximately correct, for oscillograph records have been found to closely approximate sine wave form. This justifies the theory that successive instantaneous values of electro-motive force and current follow one another in a manner strictly harmonic. Furthermore the assumption of constant impedance of the motor armature is entirely justifiable, in that it makes the study of the problem amenable to simple mathematical analysis. 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 work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original...



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