General Theory Of Alternating Current Machines

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Papers on the Design of Alternating Current Machinery Charles Caesar Hawkins 1919

A Catalogue of the Officers and Students of Washington University, for the Academic Year ... Washington University (Saint Louis, Mo.) 1921

The General Theory of Alternating Current Machines: Application to Practical Problems B. Adkins 1978-02-23 The book on The General Theory of Electrical Machines, by B. Adkins, which was published in 1957, has been well received, as a manual containing the theories on which practical methods of calculating machine performance can be based, and as a text-book for advanced students. Since 1957, many important developments have taken place in the practical application of electrical machine theory. The most important single factor in the development has been the increasing availability of the digital computer, which was only beginning to be used in the solution of machine and power system problems in 1957. Since most of the recent development, particularly that with which the authors have been concerned, has related to a. c. machines, the present book, which is in other respects an up-to-date version of the earlier book, deals primarily with a. c. machines. The second chapter on the primitive machine does deal to some extent with the d. c. machine, because the cross-field d. c. generator serves as an introduction to the two-axis theory and can be used to provide a simple explanation of some of the mathematical methods. The equations also apply directly to a. c. commutator machines. The use of the word 'general' in the title has been criticized. It was never intended to imply that the treatment was comprehen sive in the sense that every possible type of machine and problem The word is used in the sense that the theory can was dealt with.

The General Theory of Alternating Current Machines Bernard Adkins 2013-11-11 The book on The General Theory of Electrical Machines, by B. Adkins, which was published in 1957, has been well received, as a manual containing the theories on which practical methods of

calculating machine performance can be based, and as a text-book for advanced students. Since 1957, many important developments have taken place in the practical application of electrical machine theory. The most important single factor in the development has been the increasing availability of the digital computer, which was only beginning to be used in the solution of machine and power system problems in 1957. Since most of the recent development, particularly that with which the authors have been concerned, has related to a. c. machines, the present book, which is in other respects an up-to-date version of the earlier book, deals primarily with a. c. machines. The second chapter on the primitive machine does deal to some extent with the d. c. machine, because the cross-field d. c. generator servesas an introduction to the two-axis theory and can be used to provide a simple explanation of some of the mathematical methods. The equations also apply directly to a. c. commutator machines. The use of the word 'general' in the title has been criticized. It was never intended to imply that the treatment was comprehen sive in the sense that every possible type of machine and problem was dealt with.

General Catalogue Carnegie Institute of Technology 1909

Transactions of the American Institute of Electrical Engineers 1896

The Alternating Current Commutator Motor Rudolf Goldschmidt 1909

Iowa State College of Agriculture and Mechanic Arts, Division of Agriculture Iowa State College of Agriculture and the Mechanical Arts. Division of Agriculture 1907

Report of the Commissioners on Agricultural, Commercial, Industrial, and Other Forms of Technical Education New South Wales. Commission on Primary, Secondary, Technical, and Other Branches of Education 1905

Companion Encyclopedia of the History and Philosophy of the Mathematical Sciences Ivor Grattan-Guiness 2004-11-11 First published in 2004. Routledge is an imprint of Taylor & Francis, an informa company.

Alternating-current Machines Michael Liwschitz-Garik 1961

The Engineering Index Annual for ... 1908

Transactions American Institute of Electrical Engineers 1896 List of members in v. 7-15, 17, 19-20.

Practical Engineer 1915

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Dynamo-electric Machinery: Continuous-current machines Silvanus Phillips Thompson 1904

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The Bulletin of the University of Minnesota [Announcements]. University of Minnesota 1925

Annual Catalogue Washington University (Saint Louis, Mo.) 1921

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Analysis of Electrical Machines Valeria Hrabovcova 2020-05-20 This book is devoted to students, PhD students, postgraduates of electrical engineering, researchers, and scientists dealing with the analysis, design, and optimization of electrical machine properties. The purpose is to present methods used for the analysis of transients and steady-state conditions. In three chapters the following methods are presented: (1) a method in which the parameters (resistances and inductances) are calculated on the basis of geometrical dimensions and material properties made in the design process, (2) a method of general theory of electrical machines, in which the transients are investigated in two perpendicular axes, and (3) FEM, which is a mathematical method applied to electrical machines to investigate many of their properties.

Bachelor's Theses 1920 This is a collection of theses completed to fulfill B.S. requirements in the College of Engineering, University of Wisconsin from 1895 to 1962.

General Catalog Iowa State University 1911

Columbia University Bulletin Columbia University 1916

Bulletin University of Minnesota 1925

Annual Catalogue of the University of New Mexico at Albuquerque University of New Mexico 1920

The Engineering Index John Butler Johnson 1906

Electrical World 1901

The Electrical World and Engineer 1901

A Course in Electrical Machine Design Mandayam Sumani Tirunarayanan 1973

Electrical Journal 1909

Electric Machines Charles A. Gross 2006-10-20 The two major broad applications of electrical energy are information processing and energy processing. Hence, it is no wonder that electric machines have occupied a large and revered space in the field of electrical engineering. Such an important topic requires a careful approach, and Charles A. Gross'

Electric Machines offers the most balanced, application-oriented, and modern perspective on electromagnetic machines available. Written in a style that is both accessible and authoritative, this book explores all aspects of electromagnetic-mechanical (EM) machines. Rather than viewing the EM machine in isolation, the author treats the machine as part of an integrated system of source, controller, motor, and load. The discussion progresses systematically through basic machine physics and principles of operation to real-world applications and relevant control issues for each type of machine presented. Coverage ranges from DC, induction, and synchronous machines to specialized machines such as transformers, translational machines, and microelectromechanical systems (MEMS). Stimulating example applications include electric vehicles, wind energy, and vertical transportation. Numerous example problems illustrate and reinforce the concepts discussed. Along with appendices filled with unit conversions and background material, Electric Machines is a succinct, in-depth, and complete guide to understanding electric machines for novel applications.

Joint Volumes of Papers Presented to the Legislative Council and Legislative Assembly New South Wales. Parliament 1906 Includes various departmental reports and reports of commissions. Cf. Gregory. Serial publications of foreign governments, 1815-1931.

Electrical Machinery Ottomar Henry Henschel 1920

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Journal of Electricity 1909

Engineering Index 1908 Since its creation in 1884, Engineering Index has covered virtually every major engineering innovation from around the world. It serves as the historical record of virtually every major engineering innovation of the 20th century. Recent content is a vital resource for current awareness, new production information, technological forecasting and competitive intelligence. The world?s most comprehensive interdisciplinary engineering database, Engineering Index contains over 10.7 million records. Each year, over 500,000 new abstracts are added from over 5,000 scholarly journals, trade magazines, and conference proceedings. Coverage spans over 175 engineering disciplines from over 80 countries. Updated weekly.