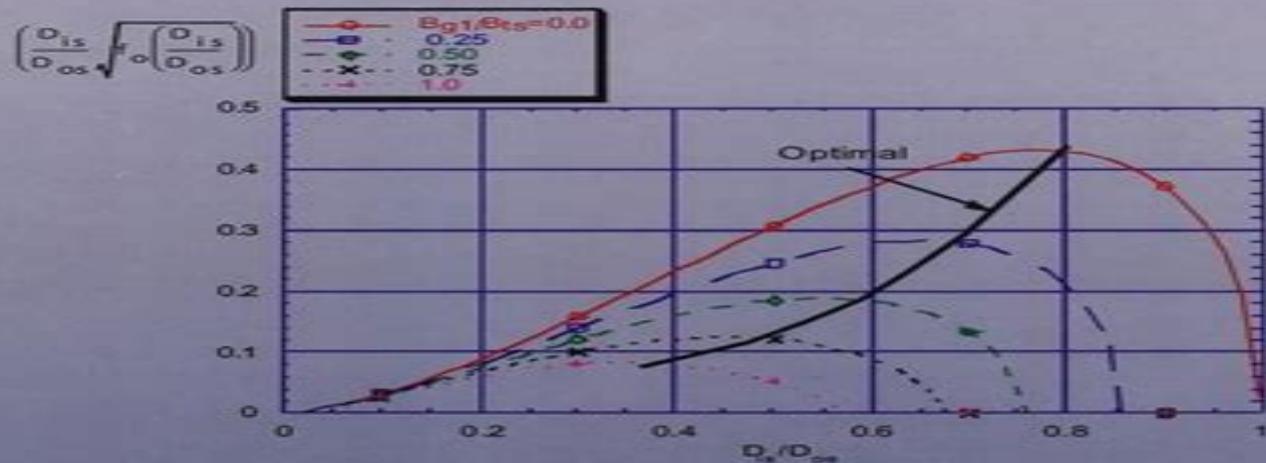


INTRODUCTION TO AC MACHINE DESIGN

Third Edition

Thomas A. Lipo



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A New Swing-Contract Design for Wholesale Power Markets, 2020-12-12 Provides comprehensive information on swing contracts for flexible reserve provision in wholesale power markets This book promotes a linked swing contract market design for centrally managed wholesale power markets to facilitate increased reliance on renewable energy resources and demand side participation The proposed swing contracts are firm or option two part pricing contracts permitting resources to offer the future availability of dispatchable power paths reserve with broad types of flexibility in their power attributes *A New Swing Contract Design for Wholesale Power Markets* begins with a brief introduction to the subject followed by two chapters that cover general goals for wholesale power market design history operations and conceptual concerns for current U S RTO ISO managed wholesale power markets and the relationship of the present study to previous swing contract research The next eight chapters cover a general swing contract formulation for centrally managed wholesale power markets illustrative swing contract reserve offers inclusion of reserve offers with price swing inclusion of price sensitive reserve bids and extension to a linked collection of swing contract markets Operations in current U S RTO ISO managed markets are reviewed in the following four chapters and conceptual and

practical advantages of the linked swing contract market design are carefully considered The book concludes with an examination of two key issues How might current U S RTO ISO managed markets transition gradually to a swing contract form And how might independent distribution system operators functioning as linkage entities at transmission and distribution system interfaces make use of swing contracts to facilitate their participation in wholesale power markets as providers of ancillary services harnessed from distribution side resources In summary this title Addresses problems with current wholesale electric power markets by developing a new swing contract market design from concept to practical implementation Provides introductory chapters that explain the general principles motivating the new market design hence why a new approach is required Develops a new type of swing contract suitable for wholesale power markets with increasing reliance on renewable energy and active demand side participation A New Swing Contract Design for Wholesale Power Markets is an ideal book for electric power system professionals and for students specializing in electric power systems

Implementation and Evaluation of an Amplitude-based Self-sensing Torque Control for Induction Machines

Christopher Giebeler,2002 IAS '97 IEEE Industry Applications Society. Meeting,IEEE Industry Applications Society,1997 Power control of industrial processes is the major focus of the papers presented at the 1997 IEEE Industry Applications Society Conference which are covered in this text IAS '98 IEEE Industry Applications Society. Meeting,1998 IAS '96 IEEE Industry Applications Society. Meeting,1996 Feasibility Study of an Isolated Induction Motor/induction

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