About the Book
This book will serve as a stepping stone for the undergraduate students in Electrical & Electronics Engineering for further specialization. It is a core subject in the curriculum for post-graduate Power Electronics and Power Systems Engineering disciplines offered by most of the universities and educational institutions.

The book starts with the fundamental concepts such as phasors and reference frames which are not usually elaborated at the undergraduate level thereby providing smooth transition to more advanced topics as specified in the various syllabi.

The book is also suitable for final semester undergraduate students and practising engineers.

Salient Features
Definition and implications of phasors
Two-axis diagrams which demystify voltage and flux linkage equations
Theory and advantages of different reference frames
Analysis of detailed models of synchronous, induction, single-phase and dc machines
Linearized and reduced-order model analysis

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Basics of Rotating Electromagnetic Machines
Transformation of Machine Variables Between Reference Frames
Modeling and Analysis of Conventional Synchronous Machines
Modeling and Analysis of Symmetrical Induction Machines
Modeling and Analysis of AC Single-Phase Motors
Linearized Models of Synchronous and Induction Machines
Reduced-Order Models of Synchronous and Induction Machines
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