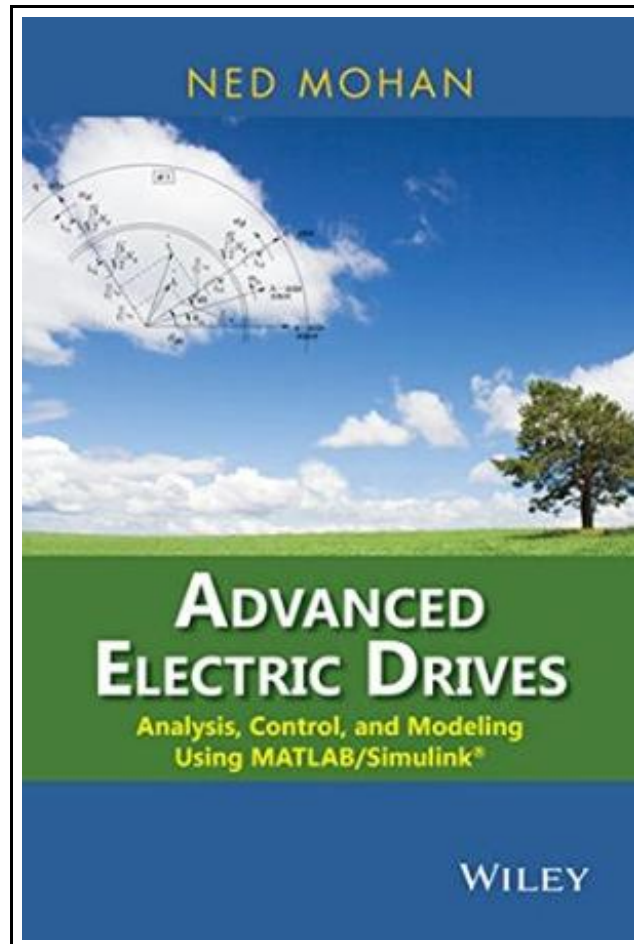


## Advanced Electric Drives: Analysis, Control, and Modeling Using Matlab / Simulink (Hardback)



Filesize: 4.18 MB

### ***Reviews***

*This book is really gripping and intriguing. it was writtern very perfectly and beneficial. I am easily will get a enjoyment of looking at a created ebook.*

*(Jaeden Stiedemann Sr.)*

## ADVANCED ELECTRIC DRIVES: ANALYSIS, CONTROL, AND MODELING USING MATLAB / SIMULINK (HARDBACK)



To read **Advanced Electric Drives: Analysis, Control, and Modeling Using Matlab / Simulink (Hardback)** eBook, you should click the web link below and save the document or have accessibility to additional information which might be relevant to **ADVANCED ELECTRIC DRIVES: ANALYSIS, CONTROL, AND MODELING USING MATLAB / SIMULINK (HARDBACK)** ebook.

John Wiley Sons Inc, United States, 2014. Hardback. Book Condition: New. 1. Auflage. 236 x 160 mm. Language: English . Brand New Book. With nearly two-thirds of global electricity consumed by electric motors, it should come as no surprise that their proper control represents appreciable energy savings. The efficient use of electric drives also has far-reaching applications in such areas as factory automation (robotics), clean transportation (hybrid-electric vehicles), and renewable (wind and solar) energy resource management. Advanced Electric Drives utilizes a physics-based approach to explain the fundamental concepts of modern electric drive control and its operation under dynamic conditions. Author Ned Mohan, a decades-long leader in Electrical Energy Systems (EES) education and research, reveals how the investment of proper controls, advanced MATLAB and Simulink simulations, and careful forethought in the design of energy systems translates to significant savings in energy and dollars. Offering students a fresh alternative to standard mathematical treatments of dq-axis transformation of a-b-c phase quantities, Mohan s unique physics-based approach visualizes a set of representative dq windings along an orthogonal set of axes and then relates their currents and voltages to the a-b-c phase quantities. Advanced Electric Drives is an invaluable resource to facilitate an understanding of the analysis, control, and modelling of electric machines. Gives readers a physical picture of electric machines and drives without resorting to mathematical transformations for easy visualization Confirms the physics-based analysis of electric drives mathematically Provides readers with an analysis of electric machines in a way that can be easily interfaced to common power electronic converters and controlled using any control scheme Makes the MATLAB/Simulink files used in examples available to anyone in an accompanying website Reinforces fundamentals with a variety of discussion questions, concept quizzes, and homework problems.



[Read Advanced Electric Drives: Analysis, Control, and Modeling Using Matlab / Simulink \(Hardback\) Online](#)



[Download PDF Advanced Electric Drives: Analysis, Control, and Modeling Using Matlab / Simulink \(Hardback\)](#)

## Related PDFs



**[PDF] Design Collection Revealed: Adobe InDesign CS6, Photoshop CS6 Illustrator CS6 (Paperback)**

Access the web link listed below to get "Design Collection Revealed: Adobe InDesign CS6, Photoshop CS6 Illustrator CS6 (Paperback)" PDF file.

[Read Book »](#)



**[PDF] Adobe Photoshop CS6 Revealed (Hardback)**

Access the web link listed below to get "Adobe Photoshop CS6 Revealed (Hardback)" PDF file.

[Read Book »](#)



**[PDF] A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)**

Access the web link listed below to get "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)" PDF file.

[Read Book »](#)



**[PDF] Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: ( Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures) (Paperback)**

Access the web link listed below to get "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: ( Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures) (Paperback)" PDF file.

[Read Book »](#)



**[PDF] Public Opinion + Conducting Empirical Analysis**

Access the web link listed below to get "Public Opinion + Conducting Empirical Analysis" PDF file.

[Read Book »](#)



**[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)**

Access the web link listed below to get "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)" PDF file.

[Read Book »](#)