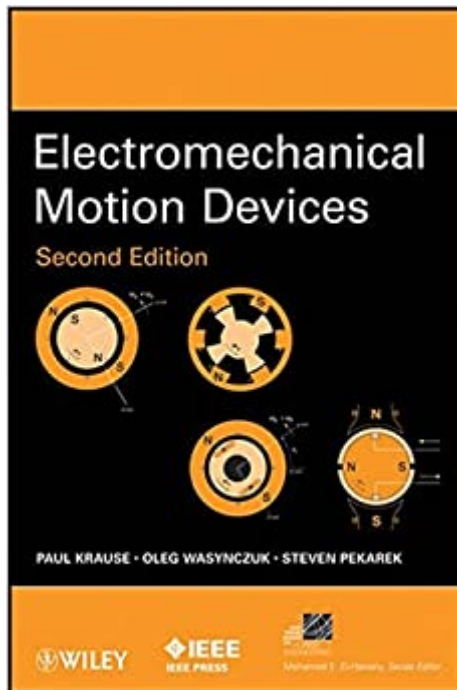**The book was found**

Electromechanical Motion Devices

Synopsis

This text provides a basic treatment of modern electric machine analysis that gives readers the necessary background for comprehending the traditional applications and operating characteristics of electric machinesÃ¢â¬â•as well as their emerging applications in modern power systems and electric drives, such as those used in hybrid and electric vehicles. Through the appropriate use of reference frame theory, Electromagnetic Motion Devices, Second Edition introduces readers to field-oriented control of induction machines, constant-torque, and constant-power control of dc, permanent-magnet ac machines, and brushless dc machines. It also discusses steady-state and transient performance in addition to their applications. Electromagnetic Motion Devices, Second Edition presents: The derivations of all machine models, starting with a common first-principle approach (based upon Ohm's, Faraday's, Ampere's, and Newton's/Euler's laws) A generalized two-phase approach to reference frame theory that can be applied to the ac machines featured in the book The influences of the current and voltage constraints in the torque-versus-speed profile of electric machines operated with an electric drive Complete with slides, videos, animations, problems & solutions Thoroughly classroom tested and complete with a supplementary solutions manual and video library,Ã Â Electromagnetic Motion Devices, Second Edition is an invaluable book for anyone interested in modern machine theory and applications.Ã Â If you would like access to the solutions manual and video library, please send an email to: ieeeproposals@wiley.com.

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PAUL KRAUSE, PhD, is President and CEO of PC Krause and Associates Inc. He is a Life Fellow of IEEE and has authored or coauthored over 100 technical papers and three textbooks on electric machines. He was the 2010 recipient of the IEEE Nikola Tesla Award. OLEG WASYNCZUK, PhD, is a Professor of Electrical and Computer Engineering at Purdue University and serves as Chief Technical Officer of PC Krause and Associates Inc. He has authored or coauthored over 100 technical papers and two textbooks on electric machines. He is a Fellow of IEEE and was the 2008 recipient of the IEEE PES Cyril Veinott Electromechanical Energy Conversion Award. STEVEN PEKAREK, PhD, is a Professor of Electrical and Computer Engineering at Purdue University and is Chair of the Power and Energy Devices Area. He is an Associate Editor for IEEE Transactions on Power Electronics and IEEE Transactions on Energy Conversion.

This is the first version published, and with a decent quality. I'm pretty sure the book is based on those previous notes in ECE321 at Purdue University, thus this book is a little bit lecture-notes-like. The materials cover are not deep, good for intro-level courses.

This book was used for my Electric Machines class at Ohio State. This book does a very poor job elaborating on examples and supplemental problems. The author assumes you also have a degree

in math and does very little to walk you through calculations performed in each problem or example. I was unable to get a hold of a solutions manual, and subsequently was left clueless on problems I wanted to do for my self or problems that provided the answer only. There are very few books out there that get this in depth into electric machines, however if you can find another text to help you, I would recommend it.

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