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energy with the use of power converters and offers a highly flexible alternative to the use of modulators and linear controllers. This new approach takes into account the discrete and nonlinear nature of the power converters and drives and promises to have a strong impact on control in power electronics in the coming decades. Predictive Control of Power Converters and Electrical Drives provides a comprehensive overview of the general principles and current research into MPC and is ideal for engineers, specialists and researchers needing: . a straightforward explanation of the theory and implementation of predictive control; analysis on classical converter control methods and electrical drives control methods:. application examples and case studies demonstrating how control schemes have been implemented;. practice in running their own MATLAB(R) simulations through the companion website. With the information provided, power electronics specialists will be able to start applying this new control technique. This book will help electrical, electronics and control engineers, R&D engineers, product development engineers working in power electronics and drives, and industry engineers of power conversions and motor drives. It is also a complete reference for university researchers, graduate and senior-level undergraduate students of electrical and electronics engineering, academic control specialists, and academics in electrical drives.URL: www.wiley. com/go/rodriguez control.