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Nota di contenuto	Chapter 1: An Introduction to Fuzzy and Fuzzy Control Systems -- Chapter 2: Classification of Adaptive Fuzzy Controllers -- Chapter 3: Type-2 Fuzzy Systems -- Chapter 4: Training Interval Type-2 Fuzzy Systems Based on Error Backpropagation.
Sommario/riassunto	This book explains the basic concepts, theory and applications of fuzzy systems in control in a simple unified approach with clear examples and simulations in the MATLAB programming language. Fuzzy systems, especially, type-2 neuro-fuzzy systems, are now used extensively in various engineering fields for different purposes. In plain language, this book aims to practically explain fuzzy systems and different methods of training and optimizing these systems. For this purpose, type-2 neuro-fuzzy systems are first analyzed along with various methods of training and optimizing these systems through implementation in MATLAB. These systems are then employed to design adaptive fuzzy controllers. The authors aim at presenting all the well-known

optimization methods clearly and code them in the MATLAB language.
