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Autore	Mohammadzadeh Ardashir
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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 ex-amples 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 sys-tems 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 em-ployed to design adaptive fuzzy controllers. The authors aim at pre-senting all the well-known

optimization methods clearly and code them in the MATLAB language.
