

<<模糊逻辑和知识发现/Fuzzy >>

图书基本信息

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## 内容概要

This book constitutes the refereed proceedings of the Third International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2006, held in Xi'an, China, in September 2006 as a joint event in federation with the Second International Conference on Natural Computation ICNC 2006 (LNCS volumes 4221, and 4222). The 115 revised full papers and 50 revised short papers presented were carefully reviewed and rigorously selected from 1274 initial submissions. Specific areas covered are neural computation, quantum computation, evolutionary computation, DNA computation, fuzzy computation, granular computation, artificial life, etc., with innovative applications to knowledge discovery, finance, operations research, and more. The papers are organized in topical sections on fuzzy theory and algorithms, knowledge discovery theory and algorithms, fuzzy applications, and knowledge discovery applications.

书籍目录

Fuzzy Theory and Algorithms Theory Research on a New Type Fuzzy Automaton Practical Stability Analysis and Synthesis of a Class of Uncertain T-S Fuzzy Systems Robust  $H_\infty$  Fuzzy Controller for Uncertain Nonlinear Systems with Time-Varying Delayed State Observer-Based  $H_\infty$  Controller Designs for T-S Fuzzy Systems New Robust Stability Time-Varying Delays Criterion for Uncertain Fuzzy Systems with Fast Zhang Stability Analysis and Controller Design of Discrete T-S Fuzzy System Stabilization of Multirate Sampled-Data Fuzzy Systems Based on an Approximate Discrete-Time Model An Algorithm for High-Dimensional Traffic Data Clustering Hierarchical Clustering with Proximity Metric Derived from Approximate Reflectional Symmetry Fuzzy Clustering Based on Vague Relations The Fuzzy Clustering Algorithm Based on AFS Topology Fuzzy C-Means Algorithm with Divergence-Based Kernel Variable Threshold Concept Lattice and Dependence Space Non-fragile Robust  $H_\infty$  Fuzzy Controller Design for a Class of Nonlinear Descriptor Systems with Time-Varying Delays in States PWM Fuzzy Controller for Nonlinear Systems Youla Parameterization and Design of Takagi-Sugeno Fuzzy Control Systems On the Markovian Randomized Strategy of Controller for Markov Decision Processes Improved Automatic Gain Control Circuit Using Fuzzy Logic Reliable Control of Fuzzy Descriptor Systems with Time-Varying Delay A Novel Fuzzy Approximator with Fast Terminal Sliding Mode and Its Application Robust Fuzzy Tracking Control of Nonlinear Systems with Uncertainty Via T-S Fuzzy Model Adaptive Dynamic Surface Fuzzy Control for a Class of Uncertain Nonlinear Systems Fuzzy Nonlinear Regression Model Based on LS-SVM in Feature Space .....Fuzzy Applications Knowledge Discovery Applications Author Index

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