

图书基本信息

书名：<<学习分类器系统进展/会议录 Advances in learning classifier systems>>

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内容概要

This book constitutes the thoroughly refereed post-proceedings of the 4th International Workshop on Learning Classifier Systems, IWLCS 2001, held in San Francisco, CA, USA, in July 2001. The 12 revised full papers presented together with a special paper on a formal description of ACS have gone through two rounds of reviewing and improvement. The first part of the book is devoted to theoretical issues of learning classifier systems including the influence of exploration strategy, self-adaptive classifier systems, and the use of classifier systems for social simulation. The second part is devoted to applications in various fields such as data mining, stock trading, and power distribution networks.

书籍目录

I Theory Biasing Exploration in an Anticipatory Learning Classifier System An Incremental Multiplexer Problem and Its Uses in Classifier System Research A Minimal Model of Communication for a Multi-agent Classifier System A Representation for Accuracy-Based Assessment of Classifier System: Prediction Performance A Self-Adaptive XCS Two Views of Classifier Systems Social Simulation Using a Multi-agent Model Based on Classifier Systems: The Emergence of Vacillating Behaviour in the "El Farol" Bar Problem II Applications XCS and GALE: A Comparative Study of Two Learning Classifier System on Data Mining A Preliminary Investigation of Modified XCS as a Generic Data Mining Tool Explorations in LCS Models of Stock Trading On-Line Approach for Loss Reduction in Electric Power Distribution Networks Using Learning Classifier Systems Compact Rulesets from XCS III Appendix An Algorithmic Description of ACS2 Author Index

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