图书基本信息

书名:《Discovery Science 发现科学/会议录》

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内容概要

This book constitutes the refereed proceedings of the 8th International Conference on Discovery Science, DS 2005, held in Singapore in October 2005, co-located with the International Conference on Algorithmic Learning Theory (ALT 2005). The 21 revised long papers and the 6 revised regular papers presented together with 9 project reports and 5 invited papers were carefully reviewed and selected from 112 submissions. The papers cover all issues in the area of automating scientific discovery or working on tools for supporting the human process of discovery in science.

书籍目录

Invited Papers Invention and Artificial Intelligence Algorithms and Software for Collaborative Discovery from Autonomous Semantically Heterogeneous, Distributed Information Sources Training Support Vector Machines via SMO-Type Decomposition Methods The Robot Scientist Project The Arrowsmith Project: 2005 Status ReportRegular Contributions - Long Papers Practical Algorithms for Pattern Based Linear Regression Entity Recognition for the Indonesian Language: Combining Contextual, Morphological and Part-of-Speech Features into a Knowledge Engineering Approach Bias Management of Bayesian Network Classifiers A Bare Bones Approach to Literature-Based Discovery: An Analysis of the Raynaud's/Fish-Oil and Migraine-Magnesium Discoveries in Semantic Space Assisting Scientific Discovery with an Adaptive Problem Solver Cross-Language Mining for Acronyms and Their Completions from the Web Mining Frequent 5-Free Patterns in Large Databases An Experiment with Association Rules and Classification: Post-Bagging and Conviction Movement Analysis of Medaka (Oryzias Latipes) for an Insecticide Using Decision Tree Support Vector Inductive Logic Measuring Over-Generalization in the Minimal Multiple Generalizations of Biosequences The Programming q-Gram Distance for Ordered Unlabeled Trees Monotone Classification by Function Decomposition Learning On-Line Classification via Decorrelated LMS Algorithm: Application to Brain-Computer Interfaces An Algorithm for Mining Implicit Itemset Pairs Based on Differences of Correlations Pattern Classification via Single Spheres.....Regular Contributions-Regular PapersProject ReportsAuthor Index

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