## <<Computational Scienc>>

#### 图书基本信息

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#### 内容概要

The four-volume set LNCS 3043-3046 constitutes the refereed proceedings of the International Conference on Computational Science and its Applications, ICCSA 2004, held in Assisi, Italy in May 2004. The four volumes present a total of 460 revised reviewed papers selected from numerous submissions. The proceedings spans the whole range of computational science from foundational issues in computer science and mathematics to advanced applications in virtually all sciences making use of computational techniques. The four volumes give a unique account of recent results in the area

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#### 书籍目录

Track on Numerical Methods and Algorithms New Techniques in Designing Finite Difference Domain Decomposition Algorithm for the Heat Equation A Fast Construction Algorithm for the Incidence Matrices of a Class of Symmetric Balanced Incomplete Block Designs ILUTP\_Mem: A Space-Efficient Incomplete LU Preconditioner Optimal Gait Control for a Biped Locomotion Using Genetic Algorithm A Bayes Algorithm for the Multitask Pattern Recognition Problem-Direct and Decomposed Independent Approaches Energy Efficient Routing with Power Management to Increase Network Lifetime in Sensor Networks New Parameter for Balancing Two Independent Measures in Routing Path A Study on Efficient Key Distribution and Renewal in Broadcast EncryptionTrack on Parallel and Distributed Computing Self-Tuning Mechanism for Genetic Algorithms Parameters an Application to Data-Object Allocation in the Web Digit-Serial AB2 Systolic Array for Division in GF(2m) Design and Experiment of a Communication-Aware Parallel Quicksort with Weighted Partition of Processors A Linear Systolic Array for Multiplication in GF(2m) for High Speed Cryptographic Processors Price Driven Market Mechanism for Computational Grid Resource Allocation A Novel LMS Method for Real-Time Network Traffic Prediction 1 Dynamic Configuration between Proxy Caches within an Intranet 1 A Market-Based Scheduler for JXTA-Based Peer-to-Peer Computing System Reducing on the Number of Testing Items in the Branches of Decision Trees CORBA-Based, Multi-threaded Distributed Simulation of Hierarchical DEVS Models: Transforming Model Structureinto a Non-hierarchical One The Effects of Network Topology on Epidemic Algorithms A Systematic Database Summary Generation Using the Distributed Query Discovery System Parallel Montgomery Multiplication and Squaring over GF(2m) Based on Cellular Automata A Decision Tree Algorithm for Distributed Data Mining Towards Network Intrusion Detection ......Track on Signal Processing Track on Telecommunications Track on Visualization and Virtual and Augmented Reaiiry Track on Software EngineeringTrack on Security EngineeringTrack on Infromation Systems and Information TechnologyTrack on Information RetrrievalTrack on Image ProcessingTrack on NetworkingAuthor Index

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