

<<Computational Scienc>>

图书基本信息

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内容概要

The four-volume set LNCS 3480-3483 constitutes the refereed proceedings of the International Conference on Computational Science and Its Applications, ICCSA 2005, held in Singapore in May 2005. The four volumes present a total of 540 papers selected from around 2700 submissions. The papers span the whole range of computational science, comprising advanced applications in virtually all sciences making use of computational techniques as well as foundations, techniques, and methodologies from computer science and mathematics, such as high performance computing and communication, networking, optimization, information systems and technologies, scientific visualization, graphics, image processing, data analysis, simulation and modelling, software systems, algorithms, security, multimedia etc.

书籍目录

Grid Computing Workshop Advanced Simulation Technique in Porous Media The P-GRADE Grid Portal for Modeling Multiphase Fluid Flow A Smart Agent-Based Grid Computing Platform Publishing and Executing Parallel Legacy Code Using an OGSi Grid Service The PROVE Trace Visualisation Tool as a Grid Service Privacy Protection in Ubiquitous Computing Based on Privacy Label and Information Flow Resource Management and Scheduling Techniques for Cluster and Grid Computing Systems Workshop A Monitoring and Prediction Tool for Time-Constraint Grid Application Optimal Server Allocation in Reconfigurable Clusters with Multiple Job Types Design and Evaluation of an Agent-Based Communication Model for a Parallel File System Task Allocation for Minimizing Programs Completion Time in Multicomputer Systems Fault Detection Service Architecture for Grid Computing Systems Adaptive Interval-Based Caching Management Scheme for Cluster Video Server A Scalable Streaming Cluster Architecture Proxy Server Based on The Measurement of an Optimum Load Balancing Algorithm in a Master/Slave Architecture Data Discovery Mechanism for a Large Peer-to-Peer Based Scientific Data Grid Environment A DAG-Based XCIGS Algorithm for Dependent Tasks in Grid Environments Running Data Mining Applications on the Grid A Bag-of-Tasks Approach Parallel and Distributed Computing Workshop Application of Block Design to a Load Balancing Algorithm on Distributed Networks Maintenance Strategy for Efficient Communication at Data Warehouse Conflict Resolution of Data Synon in Mobile Environment A Framework for Orthogonal Data and Control Parallelism ExploitationScientific Computing Environments For Imaging in Science Session Computer Graphics and Geometric Modeling Workshop Virtual Reality in Scientiffle APplications and Learning Workshop Web-Based Learning Session Spatial Statistics and Geographical Information Systems: Algorithms and Applications author Index

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