#### 图书基本信息

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#### 内容概要

#### 在线阅读本书

This book constitutes the refereed proceedings of the 8th European Conference on Parallel Computing, Euro-Par 2002, held in Paderborn, Germany in August 2002. The 67 revised full papers and 55 research note papers presented together with 6 invited papers were carefully reviewed and selected from 265 submissions. The papers presented give a unique survey of the state of the art in parallel computing research, ranging from algorithms, software, hardware and application in various fields.

#### 书籍目录

Invited Talks Orchestrating Computations on the World-Wide Web Realistic Rendering in Real-Time Non-massive, Non-high Performance, Distributed Computing: Selected Issues The Forgotten Factor: Facts on Performance Evaluation and Its Dependence on Workloads Sensor Networks - Promise and Challenges Concepts and Technologies for a Worldwide Grid Infrastructure...Topic 1 **Support Tools and Environments** SCALEA: A Performance Analysis Tool for Distributed and Parallel Programs Deep Start: A Hybrid Strategy for Automated Performance Problem Searches On the Scalability of Tracing Mechanisms Component Based Problem Solving Environment Integrating Temporal Assertions into a Parallel Debugger Low-Cost Hybrid Internal Clock Synchronization Mechanism for COTS PC Cluster (Research Note) .NET as a Platform for Implementing Concurrent Objects (Research Note) Topic 2 Performance Evaluation, Analysis and Optimization Performance of MP3D on the SB-PRAM Prototype (Research Note) Multi-periodic Process Networks: Prototyping and Verifying Stream-Processing Systems Symbolic Cost Estimation of Parallel Applications Performance Modeling and Interpretive Simulation of PIM Architectures and Applications (Research Note) Extended Overhead Analysis for OpenMP (Research Note) CATCH - A Call-Graph Based Automatic Tool for Capture of Hardware Performance Metrics for MPI and OpenMP Applications SIP: Performance Tuning through Source Code InterdependenceTopic 3 Scheduling and Load Balancing On Scheduling Task-Graphs to LogP-Machines with Disturbances Optimal Scheduling Algorithms for Communication Constrained Parallel Processing......Topic 4Topic 5Topic 6Topic 7Topic 8Topic 9Topic 10Topic 11Topic 12Topic 13Topic 14Topic 15Topic 16Author Index

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