

<<高性能计算与通信>>

图书基本信息

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内容概要

This book constitutes the refereed proceedings of the Second International Conference on High Performance Computing and Communications, HPCC 2006, held in Munich, Germany in September 2006. The 95 revised full papers presented were carefully reviewed and selected from 328 submissions. The papers address all current issues of parallel and distributed systems and high performance computing and communication as there are: networking protocols, routing, and algorithms, languages and compilers for HPC, parallel and distributed architectures and algorithms, embedded systems, wireless, mobile and pervasive computing, Web services and internet computing, peer-to-peer computing, grid and cluster computing, reliability, fault-tolerance, and security, performance evaluation and measurement, tools and environments for software development, distributed systems and applications, database applications and data mining, biological/molecular computing, collaborative and cooperative environments, and programming interfaces for parallel systems.

书籍目录

Introducing Combustion-Turbulence Interaction in Parallel Simulation of Diesel Engines
An Enhanced Parallel Version of Kiva 3V, Coupled with a 1D CFD Code, and Its Use in General Purpose Engine Applications
A Distributed, Parallel System for Large-Scale Structure Recognition in Gene Expression Data
Cluster Design in the Earth Sciences
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A Streaming Implementation of Transform and Quantization in H.264
A Parallel Transferable Uniform Multi-Round Algorithm in Heterogeneous Distributed Computing Environment
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Network Probabilistic Connectivity: Expectation of a Number of Disconnected Pairs of Nodes
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A Tree-Based Distributed Model for BGP Route Processing
A Novel Scheme for the Parallel Computation of SVDs
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