《Recent Advances in P》

图书基本信息

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内容概要

This book constitutes the refereed proceedings of the 10th European PVM/MPI Users' Group Meeting held in Venice, Italy, in September/October 2003. The 64 revised full papers and 16 revised short papers presented together with abstracts of 8 invited contributions and 7 reviewed special track papers were carefully reviewed and selected from 115 submissions. The papers are organized in topical sections on evaluation and performance analysis; parallel algorithms using message passing; extensions, improvements, and implementations of PVM/MPI; parallel programming tools; applications in science and engineering; grid and heterogeneous computing; and numerical simulation of parallel engineering environments - ParSim 2003.

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书籍目录

Invited Talks Messaging Systems: ParMlel Computing the Internet and the Grid Progress towards Petascale Virtual Machines Future Developments in MPI Integrating Scalable Process Management into Component-Based Systems Software Programming High Performance Applications Using Components ASSIST High-Performance Programming Environment:Application Experiences and Grid EvolutionTutorials High-Level Programming in MPI Programming Environments for Grids and Distributed Computing SystemsEvaluation and Performance Analysis Performance Modeling and Evaluation of Java Message-Passing Primitives on a Cluster Integrating New Capabilities into NetPIPE Off-Line Per[ormance Prediction of Message-Passing Applications on Cluster Systems Complexity Driven Performance Analysis Usefulness and Usage of SKaMPI-Bench The Performance of Parallel Disk Write Methods for Linux Multiprocessor Nodes A Model for Performance Analysis of MPI Applications on Terascale Systems Evaluating the Performance of MPI-2 Dynamic Communicators and One-Sided Communication Ring Algorithms on Heterogeneous Clusters with PVM:Performance Analysis and Modeling An MPI Tool to Measure Application Sensitivity to Variation in Communication Parameters Measuring MPI Latency VarianceParallel Algorithms Using Message Passing CGMgraph/CGMlib: Implementing and Testing CGM Graph Algorithms on PC Clusters Efficient Parallel Implementation of Transitive Closure of Digraphs A Scalable Crystallographic FFT Object-Oriented NeuroSys: Parallel Programs for Simulating Large Networks of Biologically Accurate Neurons PageRank Computation Using PC Cluster ……Extensions,Improvements and Implementations of PVM/MPIParallel Programming ToolsApplications in Science and EngineeringGrid and Heterogeneous ComputingSpecial Session:ParSim 03Author Index

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