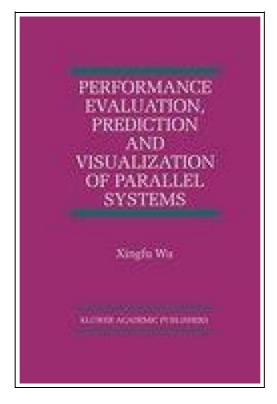
# Performance Evaluation, Prediction and Visualization of Parallel Systems



Filesize: 7.99 MB

## Reviews

Completely among the finest publication I have possibly read. It really is basic but excitement in the fifty percent from the pdf. Your lifestyle span is going to be convert when you total looking at this publication.

(Dr. Curt Harber)

#### PERFORMANCE EVALUATION, PREDICTION AND VISUALIZATION OF PARALLEL SYSTEMS



To save **Performance Evaluation, Prediction and Visualization of Parallel Systems** eBook, make sure you follow the link under and save the document or have accessibility to other information which might be have conjunction with PERFORMANCE EVALUATION, PREDICTION AND VISUALIZATION OF PARALLEL SYSTEMS ebook.

Springer Feb 1999, 1999. Buch. Book Condition: Neu. 235x155x23 mm. This item is printed on demand - Print on Demand Titel. - Performance Evaluation, Prediction and Visualization in Parallel Systems presents a comprehensive and systematic discussion of theoretics, methods, techniques and tools for performance evaluation, prediction and visualization of parallel systems. Chapter 1 gives a short overview of performance degradation of parallel systems, and presents a general discussion on the importance of performance evaluation, prediction and visualization of parallel systems. Chapter 2 analyzes and defines several kinds of serial and parallel runtime, points out some of the weaknesses of parallel speedup metrics, and discusses how to improve and generalize them. Chapter 3 describes formal definitions of scalability, addresses the basic metrics affecting the scalability of parallel systems, discusses scalability of parallel systems from three aspects: parallel architecture, parallel algorithm and parallel algorithm-architecture combinations, and analyzes the relations of scalability and speedup. Chapter 4 discusses the methodology of performance measurement, describes the benchmark- oriented performance test and analysis and how to measure speedup and scalability in practice. Chapter 5 analyzes the difficulties in performance prediction, discusses application-oriented and architecture-oriented performance prediction and how to predict speedup and scalability in practice. Chapter 6 discusses performance visualization techniques and tools for parallel systems from three stages: performance data collection, performance data filtering and performance data visualization, and classifies the existing performance visualization tools. Chapter 7 describes parallel compiling-based, search-based and knowledge-based performance debugging, which assists programmers to optimize the strategy or algorithm in their parallel programs, and presents visual programming-based performance debugging to help programmers identify the location and cause of the performance problem. It also provides concrete suggestions on how to modify their parallel program to improve the performance. Chapter 8 gives an overview of current interconnection networks for parallel systems, analyzes...



Read Performance Evaluation, Prediction and Visualization of Parallel Systems Online



Download PDF Performance Evaluation, Prediction and Visualization of Parallel Systems

#### Relevant eBooks



### [PDF] Comic Maths: Sue: Fantasy-Based Learning for 4, 5 and 6 Year Olds

Click the hyperlink beneath to get "Comic Maths: Sue: Fantasy-Based Learning for 4, 5 and 6 Year Olds" PDF document.



#### [PDF] Creative Thinking and Arts-Based Learning: Preschool Through Fourth Grade

Click the hyperlink beneath to get "Creative Thinking and Arts-Based Learning: Preschool Through Fourth Grade" PDF document.

Read Document »



# [PDF] Studyguide for Creative Thinking and Arts-Based Learning: Preschool Through Fourth Grade by Joan Packer Isenberg ISBN: 9780131188310

Click the hyperlink beneath to get "Studyguide for Creative Thinking and Arts-Based Learning: Preschool Through Fourth Grade by Joan Packer Isenberg ISBN: 9780131188310" PDF document.

Read Document »



#### [PDF] Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Click the hyperlink beneath to get "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" PDF document.

Read Document »



#### [PDF] A Year Book for Primary Grades; Based on Froebel's Mother Plays

Click the hyperlink beneath to get "A Year Book for Primary Grades; Based on Froebel s Mother Plays" PDF document.

Read Document »



#### [PDF] Edible Bible Crafts: 64 Delicious Story-Based Craft Ideas for Children

 $Click the hyperlink beneath to get "Edible Bible Crafts: 64 \ Delicious \ Story-Based \ Craft \ Ideas for Children" \ PDF \ document.$ 

Read Document »