

<<多线程,并行与分布式程序设计基础(>>

图书基本信息

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内容概要

本书利用现实环境中的例子，着重讲述并行系统的实践与应用。

介绍了多线程、并行和分布式计算的基本概念，并且把它们与实现和完成过程联系起来，关注解决方案的正确性和性能。

主要内容包括：共享变量程序设计，分布式程序设计，并程序序设计。

本书对一些实际案例进行研究，论题包括并行线程、MPI、OpenMP库，还有Java程序设计语言、Ada、高性能Fortran、Linda、Occam和SR。

通过完整程序执行具体的例子，程序和实例皆为共享式和分布式的。

样例应用领域包括科学计算和分布式系统。

本书适用于多线程、并行和分布式计算课程。

作者Greg Andrews是美国亚利桑那大学计算机科学系教授，其研究涉及包括并发和分布式程序设计的各个层面。

书籍目录

Preface
 Chapter 1: The Concurrent Computing Landscape
 1.1 The Essence of Concurrent Programming
 1.2 Hardware Architectures
 1.2.1 Processors and Caches
 1.2.2 Shared-Memory Multiprocessors
 1.2.3 Distributed-Memory Multicomputers and Networks
 1.3 Applications and Programming Styles
 1.4 Iterative Parallelism: Matrix Multiplication
 1.5 Recursive Parallelism: Adaptive Quadrature
 1.6 Producers and Consumers: Unix Pipes
 1.7 Clients and Servers: File Systems
 1.8 Peers: Distributed Matrix Multiplication
 1.9 Summary of Programming Notation
 1.9.1 Declarations
 1.9.2 Sequential Statements
 1.9.3 Concurrent Statements, Processes, and Procedures
 1.9.4 Comments
 Historical Notes
 References
 Exercises
 Part 1: Shared-Variable Programming
 Chapter 2: Processes and Synchronization
 2.1 States, Actions, Histories, and Properties
 2.2 Parallelization: Finding Patterns in a File
 2.3 Synchronization: The Maximum of an Array
 2.4 Atomic Actions and Await Statements
 2.4.1 Fine-Grained Atomicity
 2.4.2 Specifying Synchronization: The Await Statement
 2.5 Producer/Consumer Synchronization
 2.6 A Synopsis of Axiomatic Semantics
 2.6.1 Formal Logical Systems
 2.6.2 A Programming Logic
 2.6.3 Semantics of Concurrent Execution
 2.7 Techniques for Avoiding Interference
 2.7.1 Disjoint Variables
 2.7.2 Weakened Assertions
 2.7.3 Global Invariants
 2.7.4 Synchronization
 2.7.5 An Example: The Array Copy Problem Revisited
 2.8 Safety and Liveness Properties
 2.8.1 Proving Safety Properties
 2.8.2 Scheduling Policies and Fairness
 Historical Notes
 References
 Exercises
 Chapter 3: Locks and Barriers
 3.1 The Critical Section Problem
 3.2 Critical Sections: Spin Locks
 3.2.1 Test and Set
 3.2.2 Test and Test and Set
 3.2.3 Implementing Await Statements
 3.3 Critical Sections: Fair Solutions
 3.3.1 The Tie-Breaker Algorithm
 3.3.2 The Ticket Algorithm
 3.3.3 The Bakery Algorithm
 3.4 Barrier Synchronization
 3.4.1 Shared Counter
 3.4.2 Flags and Coordinators
 3.4.3 Symmetric Barriers
 3.5 Data Parallel Algorithms
 3.5.1 Parallel Prefix Computations
 3.5.2 Operations on Linked Lists
 3.5.3 Grid Computations: Jacobi Iteration
 3.5.4 Synchronous Multiprocessors
 3.6 Parallel Computing with a Bag of Tasks
 3.6.1 Matrix Multiplication
 3.6.2 Adaptive Quadrature
 Historical Notes
 References
 Exercises
 Chapter 4: Semaphores
 Chapter 5: Monitors
 Chapter 6: Implementations
 Part 2: Distributed Programming
 Chapter 7: Message Passing
 Chapter 8: RPC and Rendezvous
 Chapter 9: Paradigms for Process Interaction
 Chapter 10: Implementations
 Part 3: Parallel Programming
 Chapter 11: Scientific Computing
 Chapter 12: Languages, Compilers, Libraries, and Tools
 Glossary
 Index

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