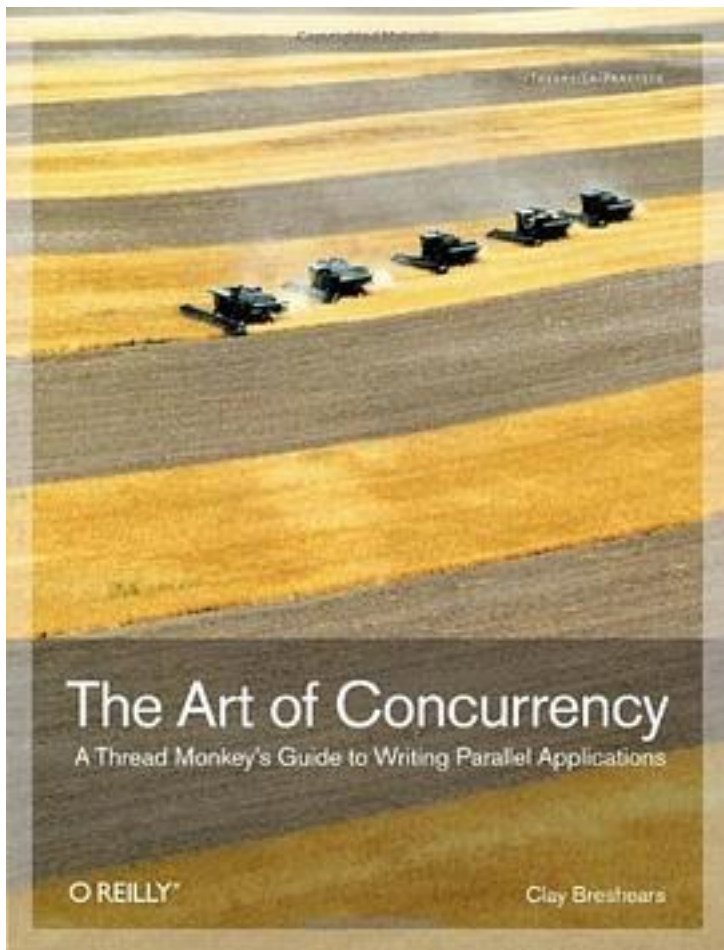


The Art of Concurrency



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著者:Clay Breshears

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If you're looking to take full advantage of multi-core processors with concurrent programming, this practical book provides the knowledge and hands-on experience you need. "The Art of Concurrency" is one of the few resources to focus on

implementing algorithms in the shared-memory model of multi-core processors, rather than just theoretical models or distributed-memory architectures. The book provides detailed explanations and usable samples to help you transform algorithms from serial to parallel code, along with advice and analysis for avoiding mistakes that programmers typically make when first attempting these computations. Written by an Intel engineer with over two decades of parallel and concurrent programming experience, this book will help you: understand parallelism and concurrency; explore differences between programming for shared-memory and distributed-memory; learn guidelines for designing multithreaded applications, including testing and tuning; discover how to make best use of different threading libraries, including Windows threads, POSIX threads, OpenMP, and Intel Threading Building Blocks; and, explore how to implement concurrent algorithms that involve sorting, searching, graphs, and other practical computations. "The Art of Concurrency" shows you how to keep algorithms scalable to take advantage of new processors with even more cores. For developing parallel code algorithms for concurrent programming, this book is a must.

作者介绍:

Clay
Breshears博士，目前是一位课程设计师，主要从事多核与多线程方面的编程和培训。

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标签

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算法

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评论

内容不多, 废话不少的一本书, 适合跳着看

ms GIP 3 换这本书了…… -.- 终于看完了!

不好看, 感觉没啥太多的新意

受益, 感谢

每个算法在讲并发实现之前都会先解释非并发代码, 举的例子不是很难懂, 但是很具有代表性! 书中的代码实现在OpenMP, TBB, PThread以及Windows Thread灵活切换, 很好的比较了几种工具的优势劣势! 可以作为并发的入门书。推荐!

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书评

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