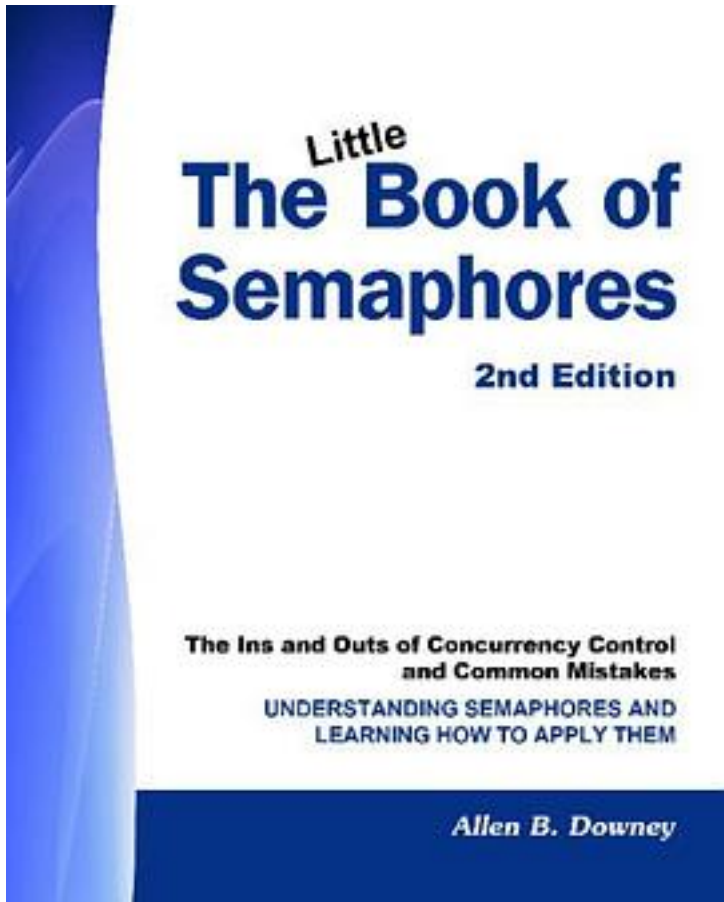


The Little Book of Semaphores, 2nd Edition



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著者:Allen B. Downey

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The Little Book of Semaphores is a textbook that introduces the principles of synchronization for concurrent programming. In most computer science curricula, synchronization is a module in an Operating Systems class. OS textbooks present a standard set of problems with a standard set of solutions, but most students don't get a good understanding of the material or the ability to solve similar problems. The approach of this book is to identify patterns that are useful for a variety of synchronization problems and then show how they can be assembled into solutions. After each problem, the book offers a hint before showing a solution, giving students a better chance of discovering solutions on their own. The book covers the classical problems, including "Readers-writers," "Producer-consumer", and "Dining Philosophers." In addition, it collects a number

of not-so-classical problems.

作者介绍:

Allen B. Downey is an Associate Professor of Computer Science at the Franklin W. Olin College of Engineering. He has written several books, including Computational Modeling and Complexity Science, How to Think Like a Computer Scientist, The Little Book of Semaphores, Physical Modeling in MATLAB, and Learning Perl the Hard Way.

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标签

Semaphores

编程

并行

计算机

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OS

操作系统

同步

评论

有点意思

看了前四章，包含了常见的semaphore, mutex, producer-consumer, reader-writer
对理解多线程有所帮助

怎么说呢，没那么好啊

全书有几个非常经典且困难的问题，后面的题目比较无聊，貌似还有点小错

不little

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书评

pv操作是操作系统里最有意思的问题。感觉没有哪本书比这本书讲的更清楚，但是知道的人很少。可能一个原因是工业界把常见的同步和互斥问题都做了封装，很少能碰到难度很高，性能要求很高，又不能用常见的模型处理的问题。要把pv操作学的如此透彻的情况很少。但是我知道有一...

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