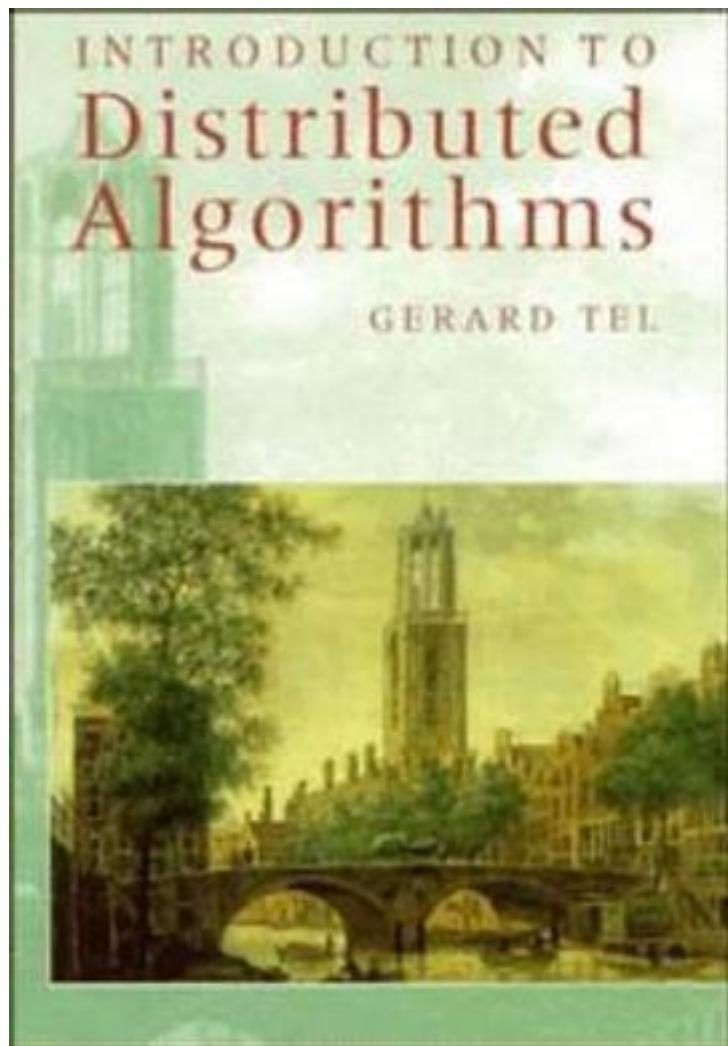


# Introduction to Distributed Algorithms



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Distributed algorithms have been the subject of intense development over the last twenty years. The second edition of this successful textbook provides an up-to-date introduction both to the topic, and to the theory behind the algorithms. The clear presentation makes the book suitable for advanced undergraduate or graduate courses, whilst the coverage is sufficiently deep to make it useful for practising engineers and researchers. The author concentrates on algorithms for the point-to-point message passing model, and includes algorithms for the implementation of computer communication networks. Other key areas discussed are algorithms for the control of distributed applications (wave, broadcast, election, termination detection, randomized algorithms for anonymous networks, snapshots, deadlock detection, synchronous systems), and fault-tolerance achievable by distributed algorithms. The two new chapters on sense of direction and failure detectors are state-of-the-art and will provide an entry to research in these still-developing topics.

作者介绍:

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标签

分布式

计算机

算法

分布式系统

distributed

基础知识

distributed-algorithms

## 评论

抗议厦×大学现在还用十几年前的过时教材

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这书确实不咋地，但是和时代久远关系并不大。书中讨论的经典分布式算法大多数是90年前后几年发明的，谁写都还是围绕那几个主题。这本书似乎作者想用自己的语言统一描述各种算法，不过我是看得云里雾里，有的时候真不如看原始的文章。例如Dijkstra原稿对于思路的阐述更直观清晰。不过如果非要再讨论与时俱进的问题倒是也有，那就是没有结合实际应用的例子。我没看完所有章节但好像CAP理论都没怎么说吧？毕竟二十世纪以后的应用还是不少。

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## 书评

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