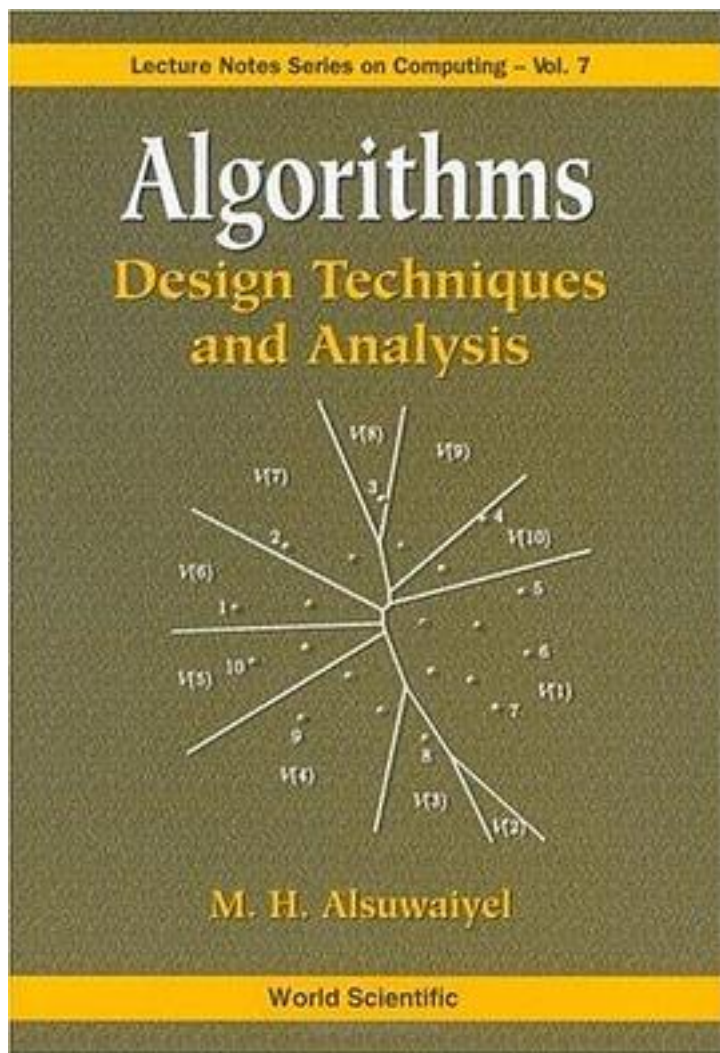


Algorithms



[Algorithms_ 下载链接1](#)

著者:Jeff Erickson

出版者:Independently published

出版时间:2019-6-13

装帧:Paperback

isbn:9781792644832

Algorithms are the lifeblood of computer science. They are the machines that proofs build and the music that programs play. Their history is as old as mathematics itself. This textbook is a wide-ranging, idiosyncratic treatise on the design and analysis of algorithms, covering several fundamental techniques, with an emphasis on intuition and the problem-solving process. The book includes important classical examples, hundreds of battle-tested exercises, far too many historical digressions, and exactly four typos. Jeff Erickson is a computer science professor at the University of Illinois, Urbana-Champaign; this book is based on algorithms classes he has taught there since 1998.

作者介绍:

Jeff Erickson is a professor of computer science at the University of Illinois at Urbana-Champaign, where he has been a faculty member since 1998. His research interests lie at the intersection of algorithm design and discrete mathematics, especially for problems involving geometry, topology, graphs, and optimization.

Jeff's father used to keep an “electric hammer” in his office. It was a regular hammer with a battery, an LED, and a toggle switch that he'd built into the handle. Whenever someone would ask how it worked, he would flip the switch, turning the LED on, and say “There. Now it's on.”

目录: Introduction (20 pages)
Recursion (50 pages)
Backtracking (26 pages)
Dynamic Programming (62 pages)
Greedy Algorithms (28 pages)
Basic Graph Algorithms (38 pages)
Depth-First Search (32 pages)
Minimum Spanning Trees (16 pages)
Shortest Paths (36 pages)
All-Pairs Shortest Paths (18 pages)
Maximum Flows & Minimum Cuts (26 pages)
Applications of Flows and Cuts (26 pages)
NP-Hardness (50 pages)
• • • • • ([收起](#))

[Algorithms_ 下载链接1](#)

标签

算法

计算机科学

计算机

数据结构与算法

CS

Algorithm

编程

Computer

评论

递归、分治、动态规划、贪心、图基本算法、DFS、最小生成树、最短路径，适合进阶了解算法

多一种解释，rainbow magic好评

好看！剧情跌宕起伏 故事线条理清晰。推荐！

[Algorithms 下载链接1](#)

书评

[Algorithms 下载链接1](#)