Fundamentals of Algorithmics
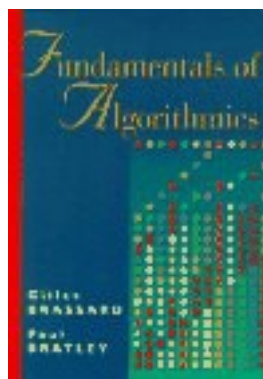
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著者:Gilles Brassard

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This is an introductory-level algorithm text which includes worked examples and detailed proofs, presenting algorithms by type rather than proof. The book begins with a compact, but complete introduction to some necessary maths, and also includes a long introduction to proofs by contradiction and mathematical induction to fill the gaps that many undergraduates have in their knowledge. It then goes on to provide a thorough introduction to the analysis of algorithms, and uses coherent notation and solving recurrences. It also includes a chapter on probabilistic algorithms, and an introduction to parallel algorithms. This work is intended for use on undergraduate courses in Algorithms or Design and Analysis of Algorithms.

作者介绍:

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标签

计算机科学

算法,计算机,acm

算法

programming

编程-算法,模式和数据结构

评论

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书评

之前看很多人推荐《算法设计》，比《算法导论》还要深入一些。结果去图书馆没找到，就借了这本（两本长得很像。。。）
个人感觉这本比《算法导论》浅多了，只能算入门书。对各种基础的算法分析知识，数据结构，以及常见的算法设计方法（很全：贪婪、动态规划、搜索图、概率、...

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