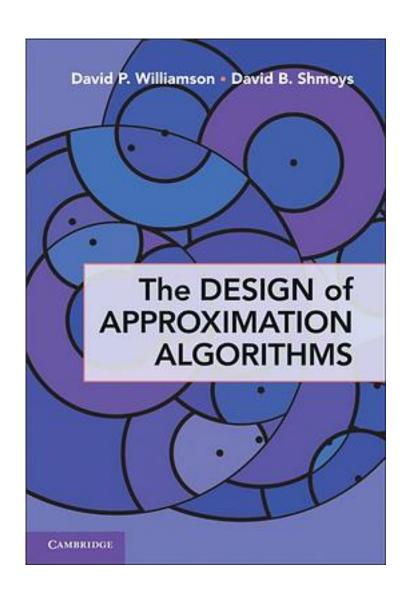
The Design of Approximation Algorithms



The Design of Approximation Algorithms_下载链接1_

著者:David P. Williamson

出版者:Cambridge University Press

出版时间:2011-4-26

装帧:Hardcover

isbn:9780521195270

Discrete optimization problems are everywhere, from traditional operations research planning (scheduling, facility location and network design); to computer science databases; to advertising issues in viral marketing. Yet most such problems are NP-hard; unless P = NP, there are no efficient algorithms to find optimal solutions. This book shows how to design approximation algorithms: efficient algorithms that find provably near-optimal solutions. The book is organized around central algorithmic techniques for designing approximation algorithms, including greedy and local search algorithms, dynamic programming, linear and semidefinite programming, and randomization. Each chapter in the first section is devoted to a single algorithmic technique applied to several different problems, with more sophisticated treatment in the second section. The book also covers methods for proving that optimization problems are hard to approximate. Designed as a textbook for graduate-level algorithm courses, it will also serve as a reference for researchers interested in the heuristic solution of discrete optimization problems.

11	F#1	J.
	F白川泊	□.

目录:

The Design of Approximation Algorithms_下载链接1_

标签

算法

近似算法

计算机科学

数学

计算机理论

计算机

编程

计算机技术

评论

个人觉得比Vijay的写得好。
 The Design of Approximation Algorithms_下载链接1_
