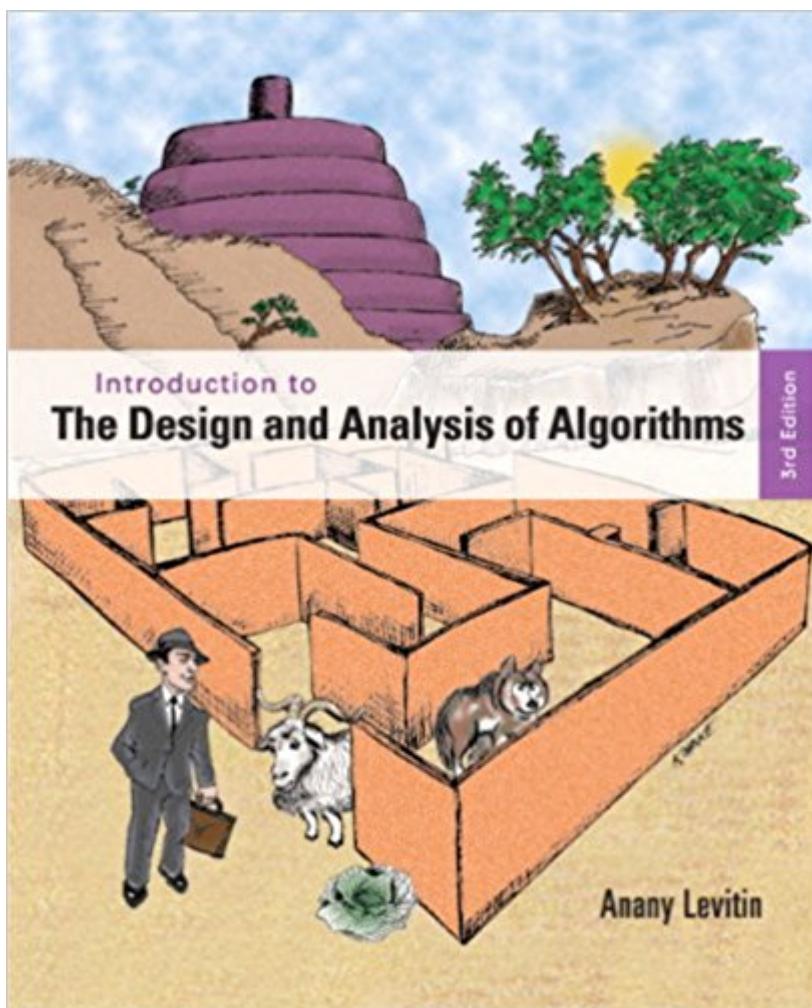The book was found

Introduction To The Design And Analysis Of Algorithms (3rd Edition)

Synopsis

Based on a new classification of algorithm design techniques and a clear delineation of analysis methods, Introduction to the Design and Analysis of Algorithms presents the subject in a coherent and innovative manner. Written in a student-friendly style, the book emphasizes the understanding of ideas over excessively formal treatment while thoroughly covering the material required in an introductory algorithms course. Popular puzzles are used to motivate students' interest and strengthen their skills in algorithmic problem solving. Other learning-enhancement features include chapter summaries, hints to the exercises, and a detailed solution manual.

Book Information

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Customer Reviews

Dr. Anany Levitin graduated from the Moscow State University with an MS degree in Mathematics. He holds a Ph.D. degree in Mathematics from the Hebrew University of Jerusalem and an MS degree in Computer Science from the University of Kentucky.Ã Â Introduction to the Design and Analysis of Algorithms has been translated into Chinese, Russian, Greek, and Korean and is used in hundreds of schools all over the world.Ã Â Dr. Levitin is also the author of Algorithmic Puzzles, publishing in Fall 2011. Dr. Levitin teaches courses in the Design and Analysis of Algorithms at Villanova University.

The content is fine, though presented in a rather boring way that makes it hard to get engaged. It's also made of cheap, thin newspaper, which rips easily and is kind of ugly besides. The real

disappointment is the eBook version. Forget that the posted "eBook" version is some Chinese children's book. The actual digital version is a $90 pdf. No additional formatting; no effort put in at all in fact. You'd think with the arm and a leg their charging they could afford better. And it doesn't work with text-to-speech, which might make people with disabilities, or who just like to use tts, think twice before purchasing.All around a poorly produced book. If you aren't required to purchase this for school, there are better books that care about the packaging.

Although algorithms is one of the hardest computer science subjects, this book does a great job at breaking down the subjuct mannor and making it easier to understand. Tje author is direct in his writing style

Great book for Computer Science, it is pretty advanced and I would recommend it for someone who is experienced with computer programming and wants to major in CS. This books concepts are not user friendly, take this in mind if you are simply wanting to know more about CS.

LevitinÃƒÂ¢Ã¢â¬Ã¢„¢s textbook is great. It is concise and precise. The explanation is generally very clear and the organization of the topic is top notch. I fully recommend it. I have to say, however, that sometimes the explanation is too brief (few examples). In that case, I usually consult another excellent and easy-to-read textbook titled ÃƒÂ¢Ã¢â¬Ã…"Foundations of AlgorithmsÃƒÂ¢Ã¢â¬Ã•" by R. Neapolitan. The latter has more examples but organisation-wise I prefer LevitnÃƒÂ¢Ã¢â¬Ã¢„¢s.

I really liked how short the chapters/sections were. It was easy to understand. Not as complicated as I thought. I finished the class that required this book, but I'll be keeping it as a reference.

Had to buy it for a class. Things are detailed and spelled out. Excellent text book. Lots of filler to go through, but everything you need is there.

I like it very much! Show nicely the algorithmics for beginners

Levitin approaches this broad topic by focusing on design methods first, rather than application. After a brief introduction to efficiency analysis, he moves into elementary methods such as brute force, divide-and-conquer, etc. before broaching more difficult ideas like dynamic programming and

greedy technique. In each chapter, most classes of problems that can be solved with the technique are at least mentioned, if not explained in some detail. As a beginner to computer science but having a good amount of programming experience, I was able to pick up the ideas from this book better than from my professor. Bear in mind that this book does not discuss implementation at all, but most algorithms are designed with a C-like or procedural style; you may want to follow up with a book more focused on OO design techniques if you are implementing with C++ or Java. As another reviewer mentioned, there are no solutions to the exercises, but I did find the hints helpful on a few occasions. The solution manual was provided to us by our instructor electronically. The only other complaint is the relatively high cost; this is not a book I plan to keep around for reference due to its limited scope. Nonetheless, as a solid introduction to the field, I found it to be indispensable in my algorithms course.

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