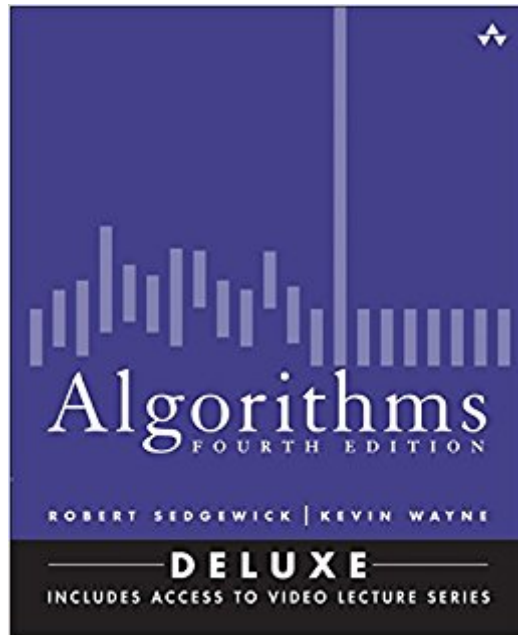The book was found

Algorithms, Fourth Edition (Deluxe): Book And 24-Part Lecture Series

Synopsis

Included in this Bundle Â THE PRINT BOOK: This fourth edition of Robert Sedgewick and Kevin Wayneâ ™s Algorithms is one of the most popular textbooks on algorithms today and is widely used in colleges and universities worldwide. The algorithms in this book â " including 50 algorithms every programmer should know â " represent a body of knowledge developed over the last 50 years that has become indispensable, not just for professional programmers and computer science students but for any student with interests in science, mathematics, and engineering and for students who use computation in the liberal arts. In this edition, new Java implementations are written in an accessible modular programming style, where all of the code is exposed to the reader and ready to use. Â THE LECTURE SERIES: There are 24 lecture videos that will be streamed on the Informit.com site; each lecture is approximately 60 to 75 minutes in length and focuses on a specific topic related to the Algorithms book. The lecture videos introduce viewers to fundamental data types, algorithms, and data structures, with emphasis on applications and scientific performance analysis of Java implementations. They also cover graph-processing algorithms, including minimum spanning tree and shortest paths algorithms, and string processing algorithms, including string sorts, tries, substring search, regular expressions, and data compression, and concludes with an overview placing the contents of the course in a larger context. The first 12 lecture videos cover elementary data structures, sorting, and searching. Topics covered in these videos include union-find, binary search, stacks, queues, bags, insertion sort, selection sort, shellsort, quicksort, 3-way quicksort, mergesort, heapsort, binary heaps, binary search trees, red-black trees, separate chaining and linear probing hash tables, Graham scan, and id-trees. Lecture videos 13 through 24 focus on graph and string-processing algorithms. Topics covered in these lecture videos include depth-first search, breadth-first search, topological sort, Kosaraju-Sharir, Kruskal, Prim, Dijkistra, Bellman-Ford, Ford-Fulkerson, LSD radix sort, MSD radix sort, 3-way radix quicksort, multiway tries, ternary search tries, Knuth-Morris-Pratt, Boyer-Moore, Rabin-Karp, regular expression matching, run-length coding, Huffman coding, LZW compression, and the Burrows-Wheeler transform.   Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access code for the Video Lectures may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase.

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Customer Reviews

I'm using this to supplement my Cormen Introduction to Algorithms. It's saving my life! It's so much easier to understand.

Very good pictorial illustrations of algorithms. Great book.

If you like computer science, and if you want to know more about how of the most popular algorithms are based, then you have the best book available. You maybe think it's a little bit expensive, but totally worth it!

I'm taking the accompanying Coursera class on Algorithms by Sedgewick in September, so I ordered the textbook as a reference. I can't say that the first chapter grabbed my attention or interested me much, but maybe it gets better? My objective in learning about algorithms is to learn how to write more efficient computer programs. If it bores me terribly, I will just remain inefficient. So far I can honestly say that the chapter one exercises seem beyond my level of understanding. If the topic doesn't become more clear or interesting with the lecture videos, I will re-consider the study of algorithms.

This so-called "Deluxe" edition includes 24 video lectures from informit.com. These lectures are already available for free on coursera, so to charge money for them here is silly. I advise purchasing the textbook and following along with the coursera class.

Great book

Good book so far

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