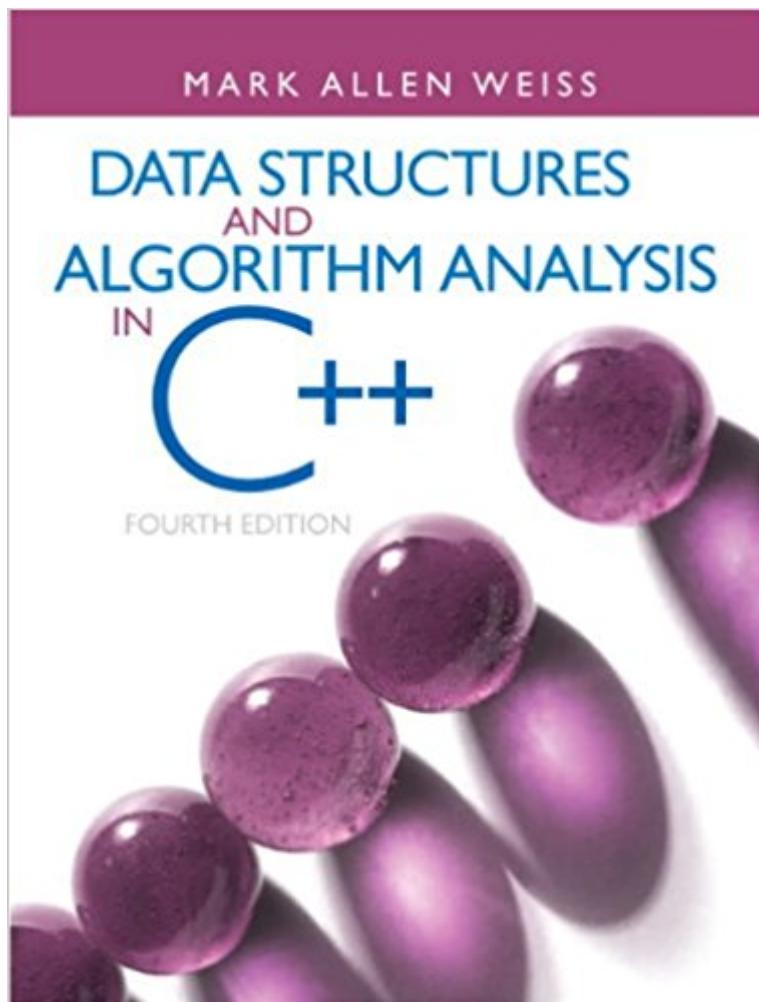


The book was found

Data Structures & Algorithm Analysis In C++



Synopsis

Data Structures and Algorithm Analysis in C++ is an advanced algorithms book that bridges the gap between traditional CS2 and Algorithms Analysis courses. As the speed and power of computers increases, so does the need for effective programming and algorithm analysis. By approaching these skills in tandem, Mark Allen Weiss teaches readers to develop well-constructed, maximally efficient programs using the C++ programming language. This book explains topics from binary heaps to sorting to NP-completeness, and dedicates a full chapter to amortized analysis and advanced data structures and their implementation. Figures and examples illustrating successive stages of algorithms contribute to Weiss' careful, rigorous and in-depth analysis of each type of algorithm.

Book Information

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Customer Reviews

Mark Allen Weiss is Professor and Associate Director for the School of Computing and Information Sciences at Florida International University. He is also currently serving as both Director of Undergraduate Studies and Director of Graduate Studies. He received his Bachelor's Degree in Electrical Engineering from the Cooper Union in 1983, and his Ph.D. in Computer Science from Princeton University in 1987, working under Bob Sedgewick. He has been at FIU since 1987 and was promoted to Professor in 1996. His interests include data structures, algorithms, and education. He is most well-known for his highly-acclaimed Data Structures textbooks, which have been used for a generation by roughly a million students. Professor Weiss is

the author of numerous publications in top-rated journals and was recipient of the University's Excellence in Research Award in 1994. In 1996 at FIU he was the first in the world to teach Data Structures using the Java programming language, which is now the de facto standard. From 1997-2004 he served as a member of the Advanced Placement Computer Science Development Committee, chairing the committee from 2000-2004. The committee designed the curriculum and wrote the AP exams that were taken by 20,000 high school students annually. In addition to his Research Award in 1994, Professor Weiss is also the recipient of the University's Excellence in Teaching Award in 1999 and the School of Computing and Information Science Excellence in Teaching Award (2005) and Excellence in Service Award (2007).

Written to illustrate and explain concepts, though there isn't enough C++ code and when there is, it can be difficult to follow.

Not worth the extravagant cost compared to the quality of content. If you don't have to have this for class, don't buy it.

I did not particularly care for the writing style or layout of this book. The topics jumped around a lot and the explanations of various concepts were kind of vague.

Great book for DS beginnersHas lots of code to use for examples. No complaintsJust like any book their can be some confusing things but they explain well

Served its purpose!

Picked up the book for a preview to next semester's class. What I have seen so far is a decent introduction.

excellent book! It explains in detail most of data structures that are included on it. I recommend it for beginners that want to introduce themselves into algorithms.

Good book

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