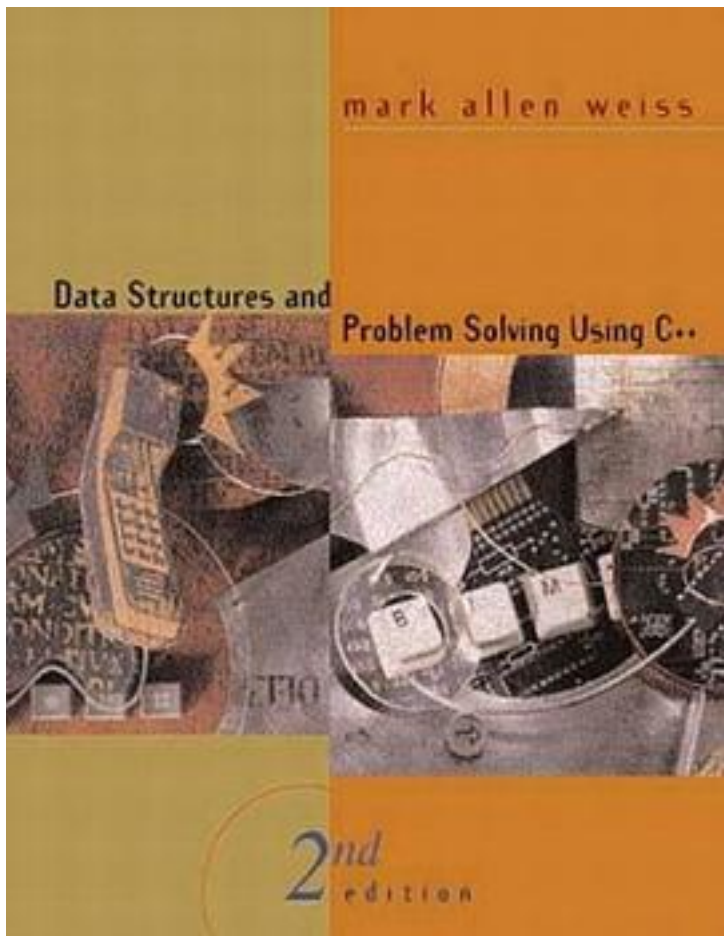


Data Structures and Problem Solving Using C++



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Data Structures and Problem Solving Using C++ provides a practical introduction to data structures and algorithms from the viewpoint of abstract thinking and problem solving, as well as the use of C++. It is a complete revision of Weiss' successful CS2

book Algorithms, Data Structures, and Problem Solving with C++. The most unique aspect of this text is the clear separation of the interface and implementation. C++ allows the programmer to write the interface and implementation separately, to place them in separate files and compile separately, and to hide the implementation details. This book goes a step further: the interface and implementation are discussed in separate parts of the book. Part I (Objects and C++), Part II (Algorithms and Building Blocks), and Part III (Applications) lay the groundwork by discussing basic concepts and tools and providing some practical examples, but implementation of data structures is not shown until Part IV (Implementations). This separation of interface and implementation promotes abstract thinking. Class interfaces are written and used before the implementation is known, forcing the reader to think about the functionality and potential efficiency of the various data structures (e.g., hash tables are written well before the hash table is implemented). Throughout the book, Weiss has included the latest features of the C++ programming language, including a more prevalent use of the Standard Template Library (STL).

作者介绍:

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标签

C++

algorithm

计算机

编程-语言-算法-系统

编程

算法

内功心法

人学软工死得早

评论

比较老的书，部分模板代码在gcc 4.7中编译无法通过；讲解言简意赅，因此阅读此书需要有一定的c++、数据结构和算法基础，直接看的话估计会很痛苦；关于STL的实现是此书的精华，尤其是BST迭代器的实现十分精彩；作者后来又出了本换汤不换药的Java版本还有很多精简本，有骗钱嫌疑

不记得了，翻开一看感觉都看过的么。准备处理掉它

课本。。。

good book covering everywhere of C++, and very detailed contents about quicksort, I like this book

买到国内引进正版影印版简直业界良心 中文版有毒!!! 不但翻译不精准而且翻译不出来的地方直接擅自扭曲作者原文。支持啃英文版LoL

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书评

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