

## <<C++程序设计>>

### 图书基本信息

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### 内容概要

本书引进工作是在教育部高等教育司和高教社的共同组织下，由国内信息科学技术领域的专家、教授广泛参与，在对大量国外教材进行多次遴选的基础上，参考了国内和国外著名大学相关专业的课程设置进行系统引进的。

其中，John

Wiley公司出版的贝尔实验室信息科学研究中心副总裁Silberschatz教授的经典著作《操作系统概念》，是我们经过反复谈判，做了很多努力才得以引进的。

William

Stallings先生曾编写了在美国深受欢迎的信息科学技术系列教材，其中有多种教材获得过美国教材和学术著作者协会颁发的计算机科学与工程教材奖，这批引进教材中就有他的两本著作。

留美中国学者Jiawei

Han先生的《数据挖掘》是该领域中具有里程碑意义的著作。

由达特茅斯学院Thomas

Cormen和麻省理工学院、哥伦比亚大学的几位学者共同编著的经典著作《算法导论》，在经历了11年的锤炼之后于2001年出版了第二版。

目前任教于美国Massachusetts大学的James

Kurose教授，曾在美国三所高校先后10次获得杰出教师或杰出教学奖，由他主编的《计算机网络》出版后，以其体系新颖、内容先进而倍受欢迎。

在努力降低引进教材售价方面，高等教育出版社做了大量和细致的工作。

《C++程序设计》体现了权威性、系统性、先进性和经济性等特点。

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Summary

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## 章节摘录

版权页：插图： Much of human behavior and thought is characterized by logical sequences. Since infancy, you have been learning how to act, how to do things. And you have learned to expect certain behavior from other people. On a broader scale, mathematics never could have been developed without logical sequences of steps for solving problems and proving theorems. Mass production never would have worked without operations taking place in a certain order. Our whole civilization is based on the order of things and actions. We create order, both consciously and unconsciously, through a process we call programming. This book is concerned with the programming of one of our tools, the computer. Just as a concert program lists the order in which the players perform pieces, a computer program lists the sequence of steps the computer performs. From now on, when we use the words programming and program, we mean computer programming and computer program. The computer allows us to do tasks more efficiently, quickly, and accurately than we could by hand-if we could do them by hand at all. In order to use this powerful tool, we must specify what we want done and the order in which we want it done. We do this through programming. How Do We Write a Program ?

To write a program, we must go through a two-phase process: problem solving and implementation ( see Figure 1-1 ) . Problem-Solving Phase 1. Analysis and specification. Understand ( define ) the problem and what the solution must do. 2. General solution ( algorithm ) . Develop a logical sequence of steps that solves the problem. 3. Verify. Follow the steps exactly to see if the solution really does solve the problem. Implementation Phase 1. Concrete solution ( program ) . Translate the algorithm into a programming language. 2. Test. Have the computer follow the instructions. Then manually check the results. If you find errors, analyze the program and the algorithm to determine the source of the errors, and then make corrections. Once a program has been written, it enters a third phase: maintenance.

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### 编辑推荐

《C++程序设计》是本全英文读本。

主要介绍了C++程序设计的内容。

由教育部高等教育司推荐，是国外优秀信息科学与技术系列教学用书。

值得大家注意。

《C++程序设计》的特点：权威性——教育等教育司推荐、教育部高等学校信息科学与技术引进教材专家组遴选。

系统性——覆盖计算机专业主干课程和非计算机基础课程。

先进性——著名计算机专家近两年的最新著作，内容体系先进。

经济性——价格与国内自编教材相当，是国内引进教材价格最低的。

一流的品质，优惠的价格。

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