

<<高级计算机程序基础>>

图书基本信息

书名：<<高级计算机程序基础>>

13位ISBN编号：9787309045765

10位ISBN编号：7309045769

出版时间：2005-8

出版时间：复旦大学出版社

作者：周麟祥

页数：353

字数：423000

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

## <<高级计算机程序基础>>

### 内容概要

This textbook is a course for the students majoring non-computer science and taking up the large scale computer calculation and simulation. It consists of three knowledge blocks' Unix operating system, Computer languages (C/C++/Java/Matlab) and Database language SQL. All these contents work on the Unix platform. Various computer languages in this book are integrated as a whole, so that several languages can be compressed into a single course. The guiding idea of this book lies in: "Any computer language consists of five elements: Variable, Operator, Function, Control, and Input/Output (or add Exception and GUI two items). The difference between languages appears only on their different formats." We take a unified methods for handling three knowledge blocks by combining Shell Script program with computer languages. So, these three parts are close ly relative. This book also includes a lot of source codes and other important computer languages (Python, TCL and MPI) attached on a compact disk as the indiscerptible parts of it. Readers can really understand the contents of the book only if they learn these source codes in detail. This book will also be of interest to scientists and engineers who would like to learn the fundamentals of advanced computer programs.

## <<高级计算机程序基础>>

### 作者简介

周麟祥，物理学教授。  
1939年12月生，原籍浙江嘉兴。  
1960年毕业于厦门大学物理系。

1993 - 1997年任美国林肯大学客座教授。  
曾在厦门大学任教。  
目前在复旦大学物理系主要从事蛋白质分子动力学和全电子结构的计算机模拟研究工作。

书籍目录

PREFACE  
PART 1 UNIX OPERATING SYSTEM Chapter 1 EDITING AND MANAGING FILE 1.1 LOGIN AND LOGOUT 1.2 EDITOR VI 1.3 MANAGING FILE Chapter 2 ENVIRONMENT 2.1 KERNEL AND SHELL 2.2 FILE PERMISSION 2.3 CUSTOMIZING ENVIRONMENT 2.4 INTERNET IN UNIX SYSTEM 2.5 MANAGING SYSTEM Chapter 3 SHELL SCRIPT 3.1 WHAT IS SCRIPT 3.2 SHELL SCRIPT LANGUAGE Chapter 4 COMPILING, DEBUG AND RUNNING 4.1 COMPILING A SIMPLE SOURCE CODE 4.2 MAKEFILE AND COMMAND MAKE 4.3 DEBUG 4.4 RUNNING 4.5 PROCESS OF RUNNING  
PART 2 COMPUTER LANGUAGE Chapter 5 FIVE ELEMENTS OF C LANGUAGE 5.1 SKELETON OF C PROGRAM 5.2 VARIABLE 5.3 OPERATOR 5.4 FUNCTION 5.5 CONTROL 5.6 I/O Chapter 6 DATA STRUCTURES 6.1 NUMERIC VARIABLE 6.2 POINTER 6.3 ARRAY 6.4 STRING 6.5 STRUCTURE 6.6 LINEAR LINKED LIST 6.7 STACK AND QUEUE Chapter 7 ALGORITHM 7.1 FUNCTION SORT 7.2 ALGORITHM C EXERCISES II - B C++ LANGUAGE Chapter 8 CLASS 8.1 FROM C TO C++ 8.2 DEFINITION OF A CLASS Chapter 9 ADVANCED USE OF CLASS Chapter 10 INHERITANCE Chapter 11 POLYMORPHISM Chapter 12 I/O Chapter 13 INTRODUCTION OF JAVA PROGRAM Chapter 15 GRAPHICS USER INTERFACE (GUI) Chapter 17 M FILE MATALAB EXERCISES  
PART 3 DATA BASE AND STRUCTURE QUERY LANGUAGE Chapter 19 DATA BASE Chapter 20 SQL OPERATING REFERENCES  
INDEX

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>