

## <<计算机科学引论>>

### 图书基本信息

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## <<计算机科学引论>>

### 内容概要

《计算机科学引论》概括地介绍了计算机科学与技术的主要领域、各种应用及其对社会的影响。

全书由15章和一些附录组成，主要内容包括：信息技术概述；因特网、万维网与电子商务；基本应用软件（包括字处理、表处理、数据库管理系统、文字和图形演示、集成化软件包等）；专用软件（包括图形图像处理、音频与视频、多媒体、Web创作以及虚拟现实和专家系统等新兴应用）；操作系统等系统软件；计算机系统组成部件；输入/输出及相关外部设备；外部存储设备；通信与网络技术；信息系统（包括事务处理系统、管理信息系统、决策支持系统、管理支持系统等）；数据库与应用；系统分析与设计；程序设计与程序语言；与信息技术有关的社会、组织、职业、道德、法律、安全和环境等问题；计算机发展简介；个人计算机购机与升级指南等。

书中大量的图示、精心的版式设计，使各种概念、技术、设备等一目了然。

每章之后附有综合性的图示小结、重要词汇和术语列表、丰富的复习题、思考题和网上实习等。

《计算机科学引论》内容丰富，体裁新颖，叙述简练清楚，英语语言规范流畅。

书中比较全面地覆盖了计算机科学与技术领域中基本的名词和术语，尤其是目前十分流行和最新的一些概念和词汇。

《计算机科学引论》既可作为计算机、信息管理及相关专业计算机导论课程的教材，也可作为相应专业的计算机英语教材。

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作者简介

作者：（美国）Timothy J.O'Leary （美国）Linda I.O'Leary

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## 章节摘录

插图：The purpose of this book is to help you become competent in computer-related skills. Computer competency：This notion may not be familiar to you, but it's easy to understand. Specifically, we want to help you walk into a job and immediately be valuable to an employer. In this chapter, we first present an overview of an information system: people, procedures, software, hardware, and data. Competent end users need to understand these basic parts and how connectivity through the Internet and the Web expands the role of information technology (IT) in our lives. In subsequent chapters, we will describe these parts of an information system in detail. Fifteen years ago, most people had little to do with computers, at least directly. Of course, they filled out computerized forms, took computerized tests, and paid computerized bills. But the real work with computers was handled by specialists-programmers, data entry clerks, and computer operators. Then microcomputers came along and changed everything. Today it is easy for nearly everybody to use a computer. Now: Microcomputers are common tools in all areas of life. Writers write, artists draw, engineers and scientists calculate-all on microcomputers. Students and businesspeople do all this, and more. New forms of learning have developed. People who are homebound, who work odd hours, or who travel frequently may take courses on the Web. A college course need not fit within the usual time of a quarter or a semester. New ways to communicate, to find people with similar interests, and to buy goods are available. All kinds of people are using electronic mail, electronic commerce, and the Internet to meet and to share ideas and products. What about you?

How are you using information technology?

Many interesting and practical uses have recently surfaced to make our personal lives richer and more entertaining. These applications range from recording digital video clips to creating personalized Web sites. Competent end users need to know the five parts of an information system: people, procedures, software, hardware, and data. Additionally, they need to understand connectivity, the wireless revolution, the Internet, and the Web and to recognize the role of information technology in their professional and personal lives.

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### 编辑推荐

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