

<<计算机专业英语>>

图书基本信息

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## <<计算机专业英语>>

### 内容概要

本书参考大量国内外计算机英文资料和计算机专业英语书籍,结合作者多年讲授计算机专业英语课程的经验,按读者实际需求,用英语编写的计算机导论。

全书分5单元,内容包括:计算机基础知识、计算机硬件系统(介绍计算机体系机构、CPU、主板以及各种外围输入输出设备)、计算机软件系统(介绍计算机系统软件、应用软件、计算机语言、数据结构、操作系统、数据库、多媒体、软件工程、编译原理,并行计算、人工智能等)、计算机网络技术(介绍计算机网络的发展、网络安全、虚拟化技术、电子商务、局域网等)、嵌入式系统(介绍嵌入式系统的发展历史、相关概念、嵌入式软件体系结构、特点、应用),每个单元由若干课文组成,每篇课文后均附一篇时文阅读材料,讲述各种新技术,以拓展该领域知识面与深度。

每篇课文和英语时文阅读材料均有参考译文。

另外,每篇课文后均附词汇与练习题。

书后包括两个附录,附录A是常用IT词汇,附录B是习题参考答案。

本书既适合于高等学校计算机科学与技术专业、软件工程专业、信息管理与信息系统专业、电子商务专业以及其他相关专业的本科生、研究生作为计算机专业英语课程的教材,也可供广大计算机爱好者参考使用。

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## 章节摘录

One special form of information the computer process is its instructions. These are the commands that programmers give the computer to tell it what to do. Every time you do anything with a computer, you are really talking to a program that is talking to the computer. The language that computers speak, which is called machine language, is very complex and hard to understand. Computers can be general classified by size and power as follows:

(1) Microcomputer Microcomputer is generally a synonym for the more common term, personal computer, or PC, which is a small single-user computer based on a microcomputer. In addition to the microprocessor, a personal computer has a keyboard for entering data, a monitor for displaying information, and as storage device for saving data. Microcomputers, also known as personal computers, are small computers that can fit on a desktop. Portable microcomputers can fit in a briefcase or even in the palm of your hand. Micro computers are used in homes, schools, and industry. Today nearly every field uses micro computers. One type of microcomputer that is rapidly growing in popularity is the portable computer, which can be easily carried around. There are four categories of portable computers. Laptops: laptops, which weigh between 10 and 16 pounds, may be AC-powered, battery-powered, or both. The AC-powered laptop weighs 12 to 16 pounds. The battery-powered laptop weighs 10 to 15 pounds, batteries included, and can be carried on a shoulder strap. Notebook PCs: notebook personal computers weigh between 5 and 10 pounds and can fit into most briefcases. It is especially valuable in locations where electrical connections are not available. Notebook computers are the most popular portable computers today. Subnotebooks: Subnotebooks are for frequent flyers and life-on-the-road types. Subnotebooks users give up a full-size display screen and keyboard in exchange for less weight. Weighting between 2 and 6 pounds, these computer fit easily into a briefcase. Personal Digital Assistants: much smaller than even the subnotebooks. Personal Digital Assistants (PDAs) weigh from 1 to 4 pounds. The typical PDA combines pen input, writing recognition, personal organizational tools, and communication capabilities in a very small package.

(2) Workstation Workstation is a powerful single-user computer. It is like a personal computer, but it has a more powerful microprocessor and a higher-quality monitor.

(3) Minicomputer Minicomputer (a term no longer much used) is a multi-user computer of a size between a microcomputer and a mainframe. Minicomputers, also known as midrange computers, are desk-sized machines. They fall into between microcomputers and mainframes in their processing speeds and data-storing capacities. Medium-size companies or departments of large companies typically use them for specific purposes. For example, they might use them to do research or to monitor a particular manufacturing process. Smaller-size companies typically use microcomputers for their general data processing needs, such as accounting. ....

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