

<<计算机科学概论>>

图书基本信息

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内容概要

本书是计算机科学概论课程的经典教材，全书对计算机科学做了百科全书式的精彩阐述，充分展现了计算机科学的历史背景、发展历程和新的技术趋势。

本书首先介绍的是信息编码及计算机体系结构的基本原理(第1章和第2章)，进而讲述操作系统(第3章)和组网及因特网(第4章)，接着探讨了算法、程序设计语言及软件工程(第5章至第7章)，然后讨论数据抽象和数据库(第8章和第9章)方面的问题，第10章通过图形学讲述计算机技术的一些主要应用，第11章涉及人工智能，第12章通过对计算理论的介绍来结束全书。

本书在内容编排上由具体到抽象逐步推进，很适合教学安排，每一个主题自然而然地引导出下一个主题。

此外，书中还包含大量的图、表和示例，有助于读者对知识的了解与把握。

本书适合用作高等院校计算机以及相关专业的本科生的教材。

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作者简介

布鲁克希尔(J.Glenn

Brookshear), 世界知名的计算机科学教育家。

他在1975年获得墨西哥州立大学博士学位后, 创立了Marquette大学的计算机科学学位项目, 并在该校任教至今。

他的主要研究方向是计算理论。

著有Theory

of Computation : Formal Languages , Automata , and Complexity。

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