

<<计算机系统组成与体系结构>>

图书基本信息

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作者：(美)Carpinelli, J.D.

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内容概要

本书详述了有关计算机及其子系统设计的基本概念及相关知识。

全书由三大部分组成：第一部分是数字逻辑和有限状态机，介绍了布尔代数基础、数字部件、组合逻辑和顺序逻辑、可编程逻辑器件。

有限状态机是全书的基础。

第二部分是计算机组成和系统结构，内容包括指令集系统结构、计算机组成、寄存器传输语言、CPU设计、控制部件设计、算术运算、存储器结构、I/O结构。

第三部分是高级专题，内容包括RISC计算机和并行处理。

本书内容适度、可读性好、实用性强，适合作为计算机工程、计算机科学、电子工程、信息系统等专业的计算机体系结构课程的教材。

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