

<<实时系统>>

图书基本信息

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内容概要

本书全面地涵盖实时操作系统和通信网络的近期进展内容，使用多种例子说明算法或者规则。

主要内容包括：硬件和软件实时系统和划分原则，实时系统的参考模型，特征化系统描述，设计时间调度和验证实时系统的算法和规则，时间调度方法综述，一般和循环执行中的时间驱动方法，单处理器时间调度和资源访问控制算法，多处理器和分布式系统上的任务间的控制和数据依附性，以及定时需求中的同时终止性质，以时间和资源需求赢取质量，通信网络中的实时问题，操作系统服务与机制的实现，还综述了一些商用实时系统和通用操作系统。

本书适用于计算机科学与工程系中的实时系统方面的本科高年级课程与研究生课程。

内容： 典型实时系统应用 硬件与软件实时系统 实时系统参考模型 硬件实时系统调度常用方法 时钟驱动调度 周期性任务的优先级驱动调度 优先级驱动系统中的非周期性与不规则性工作的调度 资源与资源访问控制 多处理器调度与资源访问控制 时间跨度限制条件下的柔性计算和任务调度 实时通信 操作系统

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作者简介

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