

<<现代控制系统>>

图书基本信息

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内容概要

控制系统原理及相近课程是高等学校工科学生的核心课程之一。

本书一直是该类课程畅销全球的教材范本，至今已出版至第11版。

主要内容包括控制系统导论、系统数学模型、状态空间模型、反馈控制系统的特性、反馈控制系统的性能、反馈系统的稳定性、根轨迹法、频率响应方法、频域稳定性、反馈控制系统设计、状态变量反馈系统设计、鲁棒控制系统和数字控制系统等。

本书的例子和习题大多取材于现代科技领域中的实际问题，新颖而恰当。

学习和解决这些问题，可以使学生的创造性精神得到潜移默化的提升。

本书可作为高等学校工科（自动化、航空航天、电力、机械、化工等）本科高年级学生和研究生教材，也可供从事相关工作的人员作为参考用书使用。

作者简介

Richard C. Dorf : 美国加利福尼亚大学戴维斯分校电气与计算机工程教授, IEEE会士和ASEE会士, 一直活跃在控制系统设计和机器人等研究领域。作为在电子工程专业及其应用领域内的知名学者, Dorf教授已经成功撰写和编著出版了多本工程类教材和手册。

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编辑推荐

《现代控制系统(第11版)(英文版)》：新版特色：新增或修改了近30%的课后习题更新了所有计算机辅助设计示例彻底更新第2章和第3章，以强调建模模块在整个控制设计流程中的重要性重写了第4章和第5章，以便更好地做到内容编排合理，重点突出，并避免重复每章新增了有关设计导向的材料。前几章的重点在于系统建模，后几章的重点在于如何应用本章的概念和知识点进行系统设计。

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