

<<电路>>

图书基本信息

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内容概要

本书被IEEE Spectrum杂志称为“电路领域的经典之作”，是欧美“电路”课程采用最为广泛的教材。全书共分18章，系统地讲述了电路的基本概念、基本理论、基本分析和计算方法。

主要内容有电路基本元件、简单电阻电路分析、电路常见分析法、运算放大器基本应用电路、一阶和二阶动态电路的分析、正弦稳态分析及其功率计算、平衡三相电路、拉普拉斯变换及其应用、选频电路、有源滤波器、傅里叶级数及傅里叶变换、双端口网络等。

书中结合生活中的实际应用展开，给出了大量的例题、习题和详尽的图表资料，内容新颖，讲解透彻，是一本电路分析的优秀教材。

本书是电气、电子、计算机与自动化等本科专业电路课程的双语教材，也可供相关学科的科技人员自学或参考。

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编辑推荐

25年以来，和其他教材相比较，Nilsson和Riedel的著作更清晰、更有效地对电路进行了介绍，使读者能够将核心概念与周围世界建立起联系，因此赢得学生和教师更多的信任。

电路第八版是对这一现代经典作了严谨地修订。

修订的核心放在习题上，80%的课外作业题得到了完全更新或修订。

经过反复的斟酌和改进使得教材的思路更清晰，更便于阅读和学习。

此外，在更加重视和强调电路实际应用的同时，新版本仍然继承了原版本的精华，以保证它在教材市场上成为精品。

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