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<<计算复杂性>>

图书基本信息

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内容概要

计算复杂性理论的研究是计算机科学最重要的研究领域之一，而Christos H．Papadmitriou是该领域最著名的专家之一。

本书是一本全面阐述计算复杂性理论及其近年来进展的教科书，主要包含算法图灵机、可计算性等有关计算复杂性理论的基本概念；布尔逻辑、一阶逻辑、逻辑中的不可判定性等复杂性理论的基础知识；P与NP、NP完全等各复杂性类的概念及其之间的关系等复杂性理论的核心内容；随机算法、近似算法、并行算法及其复杂性理论；以及NP之外如多项式空间等复杂性类的介绍。

本书内容丰富，体系严谨，证明简洁，叙述深入浅出，并配有大量的练习和文献引用。

本书不但适合作为研究生或本科高年级学生的教材，也适合从事算法和计算机复杂性研究的人员参考。

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