

<<信息科学类专业英语>>

图书基本信息

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作者：韩俊岗，袁立行，王忠民 编著

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<<信息科学类专业英语>>

内容概要

这本《信息科学类专业英语(第2版)》由韩俊岗、袁立行和王忠民编著,选取了信息科学前沿领域的相关内容,具有内容新、知识面广、难度大、趣味性强等特点。

书中主要涉及物联网、云计算、可重构计算、极大规模计算、量子计算、4G无线通信、片上网络、多智能体系统、纳米技术、系统芯片设计、微机电系统、生物信息学、嵌入式系统、可穿戴计算机、人工嗅觉、图形处理器等相关新技术各领域的最新知识,具有一定的广泛性和综合性。

在每课末,结合课文内容,均给出了相关的重点、难点句子的解释;同时,为增强学生的阅读兴趣,扩展知识面,提高阅读理解能力,本书采用了大学六级英语考试和研究生入学考试中的阅读理解题的形式,来考查学生对难句、长句和结构复杂句型的理解。

《信息科学类专业英语(第2版)》既可用作高等理工科院校信息科学与技术,包括电子信息工程、计算机、自动化、微电子学等专业的专业英语教材,又可作为相关领域技术人员的参考书。

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In 1936, the notion of a computable function was clarified by Turing, and he showed the existence of universal computers that, with an appropriate program, could compute any thing computed by any other computer. All our stored program computers, when provided with unlimited auxiliary storage, are universal in Turing's sense. In some subconscious sense even the sales departments of computer manufacturers are aware of this, and they do not advertise machines that cannot be simulated on competitors machines, but only that their machines are faster, cheaper, have more memory, or are easier to program. The second major result was the existence of classes of unsolvable problems. This keeps all but the most ignorant of us out of certain Quixotic enterprises such as trying to invent a debugging procedure that can infallibly tell if a program being examined will get into a loop. Later in this paper we shall discuss the relevance of the results of mathematical logic on creative sets to the problem of whether it is possible for a machine to be as intelligent as a human. In my opinion it is very important to build a firmer bridge between logic and recursive function theory on the one side, and the practice of computation on the other. ……

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