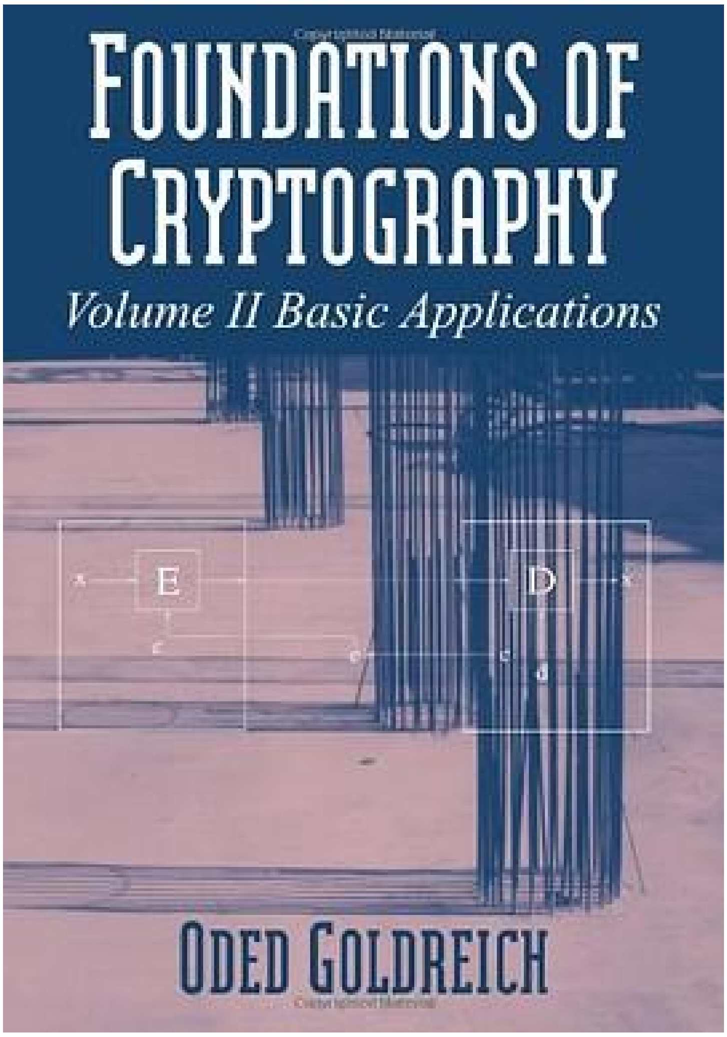
Foundations of Cryptography



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Cryptography is concerned with the conceptualization, definition and construction of computing systems that address security concerns. The design of cryptographic systems must be based on firm foundations. This book presents a rigorous and systematic treatment of the foundational issues: defining cryptographic tasks and solving new cryptographic problems using existing tools. It focuses on the basic mathematical tools: computational difficulty (one-way functions), pseudorandomness and zero-knowledge proofs. The emphasis is on the clarification of fundamental concepts and on demonstrating the feasibility of solving cryptographic problems, rather than on describing ad-hoc approaches. The book is suitable for use in a graduate course on cryptography and as a reference book for experts. The author assumes basic familiarity with the design and analysis of algorithms; some knowledge of complexity theory and probability is also useful.

作者介绍:

目录:

标签

计算机科学

计算机

密码学

cryptography

数学

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评论

靠着这书可把这学期密码学的试考完了，对密码学又爱又恨喜欢给自己找虐

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书评

Goldreich是交互证明系统的创始人之一，很好的写的，而且他偏重于概念性的讲述，把这些概念的关系讲的很清楚。 关于 入门 这两个字的意思
，我想解释一下，因为已经不能改题目了，所以有误导性，如果你没有密码学的基础的话，一定不能用这本书，我的入门的意思是如果你想研究密...

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