

# Table of Contents

Preface	xi
Cryptology and Computational Number Theory—An Introduction CARL POMERANCE	1
Primality Testing ARJEN K. LENSTRA	13
Factoring CARL POMERANCE	27
The Discrete Logarithm Problem KEVIN S. MCCURLEY	49
The Rise and Fall of Knapsack Cryptosystems A. M. ODLYZKO	75
The Search for Provably Secure Cryptosystems SHAFI GOLDWASSER	89
Pseudorandom Number Generators in Cryptography and Number Theory J. C. LAGARIAS	115
Odds and Ends from Cryptology and Computational Number Theory KEVIN S. MCCURLEY	145
Index	167