

Guide to Elliptic Curve Cryptography

Filesize: 3.76 MB

Reviews

The very best book i actually read through. I have got read through and i am certain that i will likely to read through yet again yet again down the road. I realized this ebook from my dad and i suggested this book to learn. (Alfreda Barrows)

GUIDE TO ELLIPTIC CURVE CRYPTOGRAPHY



Book Condition: New. Publisher/Verlag: Springer, Berlin | After two decades of research and development, elliptic curve cryptography now has widespread exposure and acceptance. Industry, banking, and government standards are in place to facilitate extensive deployment of this efficient public-key mechanism. Anchored by a comprehensive treatment of the practical aspects of elliptic curve cryptography (ECC), this guide explains the basic mathematics, describes state-of-the-art implementation methods, and presents standardized protocols for public-key encryption, digital signatures, and key establishment. In addition, the book addresses some issues that arise in software and hardware implementation, as well as sidechannel attacks and countermeasures. Readers receive the theoretical fundamentals as an underpinning for a wealth of practical and accessible knowledge about efficient application. Features & Benefits:Breadth of coverage and unified, integrated approach to elliptic curve cryptosystemsDescribes important industry and government protocols, such as the FIPS 186-2 standard from the U.S. National Institute for Standards and TechnologyProvides full exposition on techniques for efficiently implementing finite-field and elliptic curve arithmeticDistills complex mathematics and algorithms for easy understanding Includes useful literature references, a list of algorithms, and appendices on sample parameters, ECC standards, and software toolsThis comprehensive, highly focused reference is a useful and indispensable resource for practitioners, professionals, or researchers in computer science, computer engineering, network design, and network data security. | ContentsList of AlgorithmsList of TablesList of FiguresAcronymsPreface 1 Introduction and Overview1.1 Cryptography basics1.2 Public-key cryptography1.2.1 RSAsystems1.2.2 Discrete logarithmsystems1.2.3 Elliptic curve systems1.3 Why elliptic curve cryptography?1.4 Roadmap1.5 Notes and further references 2 Finite Field Arithmetic2.1 Introduction to finite fields2.2 Primefieldarithmetic2.2.1 Addition and subtraction2.2.2 Integer multiplication 2.2.3 Integer squaring 2.2.4 Reduction 2.2.5 Inversion 2.2.6 NISTprimes 2.3 Binary field arithmetic 2.3.1 Addition 2.3.2 Multiplication 2.3.3 Polynomial multiplication 2.3.4 Polynomial squaring 2.3.5 Reduction 2.3.6 Inversion and division 2.4 Optimal extension field arithmetic 2.4.1 Addition and subtraction2.4.2 Multiplication and reduction2.4.3 Inversion2.5 Notes and further references 3 Elliptic Curve Arithmetic3.1 Introduction to elliptic curves3.1.1 Simplified Weierstrass equations3.1.2 Group...

Read Guide to Elliptic Curve Cryptography Online
Download PDF Guide to Elliptic Curve Cryptography

Other Kindle Books

TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the... Read PDF »

TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the... Read PDF »

-	

Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New. Read PDF »

1			

TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the... Read PDF »

_
_

The Religious Drama: An Art of the Church (Beginning to 17th Century) (Christian Classics Revived: 5)

Christian World Imprints/B.R. Publishing Corporation, New Delhi, India, 2014. Hardcover. Book Condition: New. Dust Jacket Condition: New. Reprinted. This classical on ageless Christian Drama aims to present periods when actually dramatic performances or `Religious Drama'...

Read PDF »