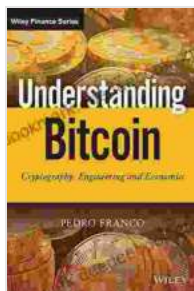# Cryptography Engineering and Economics: The Wiley Finance Series

Authors: Niels Ferguson, Bruce Schneier, and Tadayoshi Kohno

Publisher: John Wiley & Sons

Understanding Bitcoin: Cryptography, Engineering and Economics (The Wiley Finance Series) by Jake Lee

★★★★☆ 4.5 out of 5

Language	: English
File size	: 6907 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 281 pages
Lending	: Enabled

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Publication Date: 2010

: 978-0-470-47429-5

Cryptography is the study of how to keep information secret. It has been used for centuries to protect sensitive data, such as military secrets, diplomatic correspondence, and financial transactions. In recent years, cryptography has become increasingly important as the internet has made it possible to share information more easily than ever before.

Cryptography Engineering and Economics is a comprehensive guide to the design, implementation, and analysis of cryptographic systems. The book covers a wide range of topics, from the basics of number theory to the latest advances in quantum cryptography. It is an essential resource for anyone who wants to learn about cryptography and its applications.

Overview

Cryptography Engineering and Economics is divided into three parts. The first part covers the foundations of cryptography, including number theory, probability theory, and information theory. The second part covers the design and implementation of cryptographic algorithms, such as symmetric-key encryption, public-key encryption, and digital signatures. The third part covers the economics of cryptography, including the costs and benefits of using cryptographic systems.

The book is well-written and easy to follow. The authors provide clear explanations of complex concepts and use numerous examples to illustrate their points. The book is also up-to-date with the latest advances in cryptography.

Strengths

Cryptography Engineering and Economics has several strengths, including:

* Comprehensive coverage of the field of cryptography * Clear and easy-to-follow explanations * Numerous examples to illustrate concepts * Up-to-date with the latest advances in cryptography
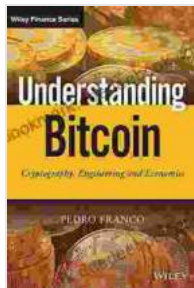
Weaknesses

Cryptography Engineering and Economics has no major weaknesses. However, the book is quite technical and may be difficult for readers who are not familiar with mathematics.

Cryptography Engineering and Economics is an essential resource for anyone who wants to learn about cryptography and its applications. The book is well-written and easy to follow, and it covers a wide range of topics. The book is also up-to-date with the latest advances in cryptography.

Book cover of *Cryptography Engineering and Economics: The Wiley Finance Series* by Niels Ferguson, Bruce Schneier, and Tadayoshi Kohno

Long Tail Title

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