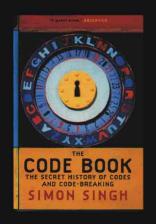
The Code Book D-ROM



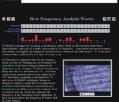
The Code Book on CD-ROM is an interactive version of Simon Singh's best-selling book The Code Book. It includes a wealth of material including video clips from Simon Singh's channel 4 television series 'The Science of Secrecy' plus other clips filmed specifically for the CD-ROM. Text from the book is presented in easily digested chunks that are illustrated with video clips, computer generated animations and interactive tools and demonstrations. The interactive tools enable messages to be encrypted using all the ciphers discussed in the book.

Most impressive of all is the full Enigma Machine emulator. Other tools assist with the cracking of encrypted messages using techniques such as frequency analysis. There are also numerous puzzles and encrypted messages to be cracked. The CD-ROM presents a fascinating subject in a very hands-on format, so that anyone can try out the encryption and cracking methods described in the text, but with the computer doing any tedious analysis that might be necessary. The CD-ROM makes full use of the potential of multimedia to communicate technical ideas.

Welcome Page Introduction Page Highlights The Code Book Book Reviews Simon Singh Code Competition Crypto Corner and Links Crypto Corner and Links Pigpen Gravestone How to obtain further CD-ROMs Atbash Cipher Bletchley Park Feedback and Newsletter Main Menu







The Birth of Cryptography Transposition The Railfence Cipher Substitution Caesar Shift Cipher Kama-Sutra Cipher Pigpen Cipher Affine Cipher Tool General Monoal phabetic Cipher Cracking the Substitution Cipher Invention in Baghdad Finer Points Frequency Analysis Tool Frequency Analysis Puzzle Number of Keys for Various Ciphers Kerckhoffs' Principle The Tragedy of Mary Queen of Scots The Babington Plot Cracking the Babington Cipher The Execution of Mary Queen of Scots

Vigenère Cipher Swapping Cipher Alphabets The Vigenère Square The Vigenère Tool Why is Vigenère so strong? Alternative Ciphers Digraph Substitution Oldest Digraph Cipher Playfair Cipher Homophonic Ciphers Book Ciphers The Beale Ciphers Dancing Men Cipher Pinprick Cipher Cracking the Vigenère Cipher Charles Babbage Babbage's Computers Babbage the Codebreaker The Cracking Principle A Cracking Example Vigenère Cracking Tool Forgotten Genius

Mechanisation of Secrecy World War I Codes The Zimmermann Telegram Cracking Zimmermani The Weakness of Codes ADFGVX Cipher Building Enigma Three Rotor Machine Complete Overview of Enigma Using the Enigma How Many Keys? Agreeing a Key Enigma Emulator Enigma Emulator Info Cracking the Enigma Polish Codebreakers Turing's Bombe Bombe Demo Enigma's Impact on World War II Malcolm Williamson Other World War II Ciphers

The Age of the Internet Computer Cryptography Substitution Data Encryption Standard How DES Works Other Modern Ciphers Alice, Bob and Eve God Rewards Fools Apparent Solution
Padlocks commute, but ... Public Key Cryptography Asymmetric Cipher Alice and Bob Explain Mathematical Padlock Modular Arithmetic A One-way Function Broad Argument RSA Algorithm RSA Encryption Tool Prime Number Ouestions Is RSA Secure? Not Just Secrets

Future of Cryptography Politics of Encryption Steganography Modern Steganography Quantum Cryptography One Time Pad Polarisation of Light Quantum Crypto Protocol The End?

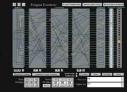












The Code Book on CD-ROM is available FREE with any software ordered from Virtual Image



Virtual Image, 184 Reddish Road, South Reddish, Stockport SK5 7HS, U.K.

Tel: (+44) (0)161 480 1915 Fax: (+44) (0)161 612 2965