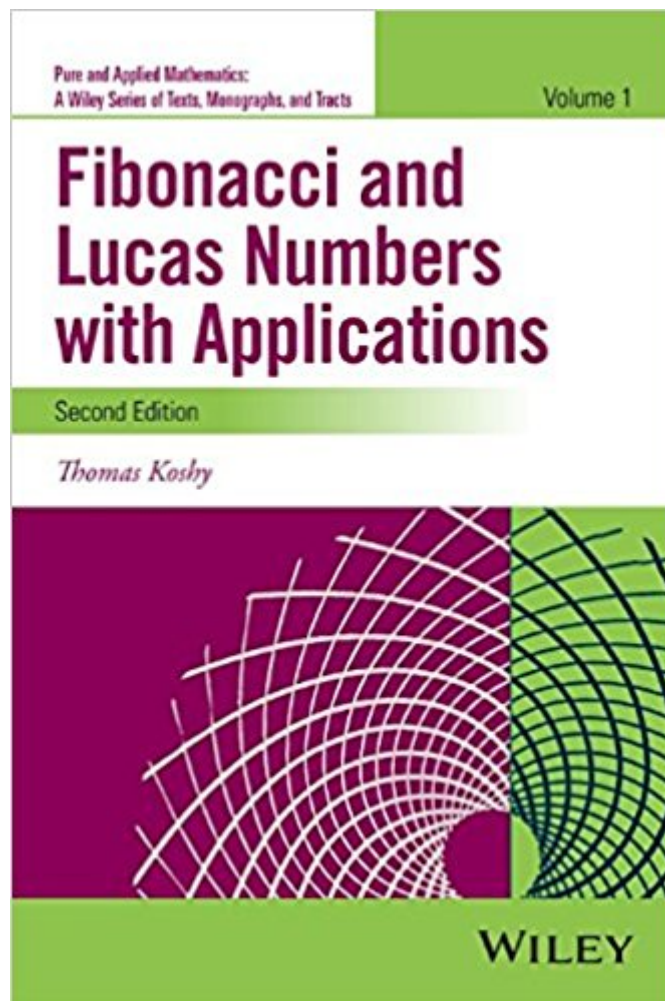


The book was found

# Fibonacci And Lucas Numbers With Applications, Volume One (Pure And Applied Mathematics: A Wiley Series Of Texts, Monographs And Tracts)



## Synopsis

Praise for the First Edition "beautiful and well worth the reading" with many exercises and a good bibliography, this book will fascinate both students and teachers. • Mathematics Teacher

Fibonacci and Lucas Numbers with Applications, Volume I, Second Edition provides a user-friendly and historical approach to the many fascinating properties of Fibonacci and Lucas numbers, which have intrigued amateurs and professionals for centuries. Offering an in-depth study of the topic, this book includes exciting applications that provide many opportunities to explore and experiment. In addition, the book includes a historical survey of the development of Fibonacci and Lucas numbers, with biographical sketches of important figures in the field. Each chapter features a wealth of examples, as well as numeric and theoretical exercises that avoid using extensive and time-consuming proofs of theorems. The Second Edition offers new opportunities to illustrate and expand on various problem-solving skills and techniques. In addition, the book features:

- A clear, comprehensive introduction to one of the most fascinating topics in mathematics, including links to graph theory, matrices, geometry, the stock market, and the Golden Ratio
- Abundant examples, exercises, and properties throughout, with a wide range of difficulty and sophistication
- Numeric puzzles based on Fibonacci numbers, as well as popular geometric paradoxes, and a glossary of symbols and fundamental properties from the theory of numbers
- A wide range of applications in many disciplines, including architecture, biology, chemistry, electrical engineering, physics, physiology, and neurophysiology

The Second Edition is appropriate for upper-undergraduate and graduate-level courses on the history of mathematics, combinatorics, and number theory. The book is also a valuable resource for undergraduate research courses, independent study projects, and senior/graduate theses, as well as a useful resource for computer scientists, physicists, biologists, and electrical engineers. Thomas Koshy, PhD, is Professor Emeritus of Mathematics at Framingham State University in Massachusetts and author of several books and numerous articles on mathematics. His work has been recognized by the Association of American Publishers, and he has received many awards, including the Distinguished Faculty of the Year. Dr. Koshy received his PhD in Algebraic Coding Theory from Boston University.

"Anyone who loves mathematical puzzles, number theory, and Fibonacci numbers will treasure this book. Dr. Koshy has compiled Fibonacci lore from diverse sources into one understandable and intriguing volume, [interweaving] a historical flavor into an array of applications."

• Marjorie Bicknell-Johnson

## Book Information

Series: Pure and Applied Mathematics: A Wiley Series of Texts, Monographs and Tracts (Book 1)

Hardcover: 656 pages

Publisher: Wiley; 2 edition (November 7, 2016)

Language: English

ISBN-10: 1118742125

ISBN-13: 978-1118742129

Product Dimensions: 5.9 x 0.6 x 9.8 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Best Sellers Rank: #2,159,435 in Books (See Top 100 in Books) #358 in Books > Science & Math > Mathematics > Number Systems #727 in Books > Science & Math > Mathematics > Pure Mathematics > Number Theory #1636 in Books > Science & Math > Mathematics > History

[Download to continue reading...](#)

Fibonacci and Lucas Numbers with Applications, Volume One (Pure and Applied Mathematics: A Wiley Series of Texts, Monographs and Tracts) Pure Pulp: FANTASTIC ADVENTURES VOL. 1: TWO COMPLETE ORIGINAL PULP MAGAZINE ISSUES FROM THE 1939 & 1940 - 250 PAGES OF PURE PULP SCIENCE FICTION (PURE PULP - COMPLETE ORIGINAL MAGAZINES) A Discrete Transition to Advanced Mathematics (Pure and Applied Undergraduate Texts) The Fabulous Fibonacci Numbers Fibonacci Fun: Fascinating Activities With Intriguing Numbers Fourier Analysis and Its Applications (Pure and Applied Undergraduate Texts) Environmental Engineering and Sanitation (Environmental Science and Technology: A Wiley-Interscience Series of Texts and Monographs) An introduction to nonharmonic Fourier series, Volume 93 (Pure and Applied Mathematics) An Introduction to Differentiable Manifolds and Riemannian Geometry, Revised, Volume 120, Second Edition (Pure and Applied Mathematics) Differential Geometry, Lie Groups, and Symmetric Spaces, Volume 80 (Pure and Applied Mathematics) Sobolev Spaces, Volume 140, Second Edition (Pure and Applied Mathematics) Fibonacci's Liber Abaci: A Translation into Modern English of Leonardo Pisano's Book of Calculation (Sources and Studies in the History of Mathematics and Physical Sciences) Numerical Methods for Fluid Dynamics: With Applications to Geophysics (Texts in Applied Mathematics) The Kurzweil-Henstock Integral and Its Differential: A Unified Theory of Integration on  $\mathbb{R}$  and  $\mathbb{R}^n$  (Chapman & Hall/CRC Pure and Applied Mathematics) Coding Theory and Cryptography: The Essentials, Second Edition (Chapman & Hall/CRC Pure and Applied Mathematics) Biological Wastewater Treatment, Second Edition, Revised and Expanded (Lecture Notes in Pure and Applied Mathematics) Binary Polynomial Transforms and Non-Linear Digital Filters (Chapman & Hall/CRC Pure and Applied Mathematics) An Introduction to Multicomplex Spaces and Functions (Chapman & Hall/CRC Pure and Applied Mathematics)

Differential Equations, Dynamical Systems, and an Introduction to Chaos, Second Edition (Pure and Applied Mathematics) Theory of Orlicz SPaces (Chapman & Hall Pure and Applied Mathematics)

[Dmca](#)