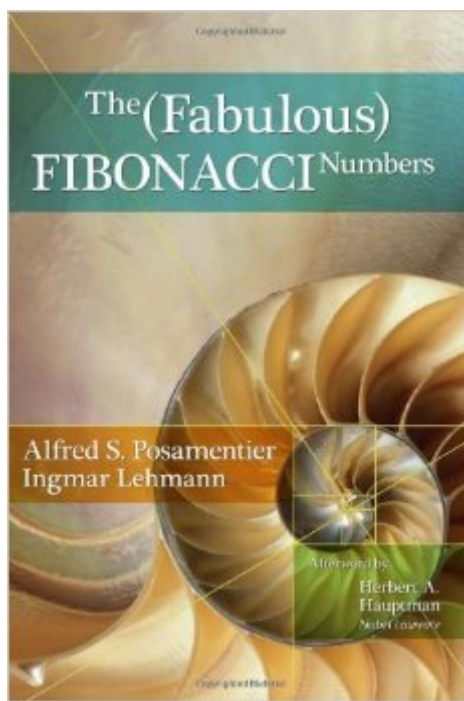


The book was found

The Fabulous Fibonacci Numbers



Synopsis

The most ubiquitous, and perhaps the most intriguing, number pattern in mathematics is the Fibonacci sequence. In this simple pattern beginning with two ones, each succeeding number is the sum of the two numbers immediately preceding it (1, 1, 2, 3, 5, 8, 13, 21, ad infinitum). Far from being just a curiosity, this sequence recurs in structures found throughout nature - from the arrangement of whorls on a pinecone to the branches of certain plant stems. All of which is astounding evidence for the deep mathematical basis of the natural world. With admirable clarity, two veteran math educators take us on a fascinating tour of the many ramifications of the Fibonacci numbers. They begin with a brief history of a distinguished Italian discoverer, who, among other accomplishments, was responsible for popularizing the use of Arabic numerals in the West. Turning to botany, the authors demonstrate, through illustrative diagrams, the unbelievable connections between Fibonacci numbers and natural forms (pineapples, sunflowers, and daisies are just a few examples). In art, architecture, the stock market, and other areas of society and culture, they point out numerous examples of the Fibonacci sequence as well as its derivative, the "golden ratio." And of course in mathematics, as the authors amply demonstrate, there are almost boundless applications in probability, number theory, geometry, algebra, and Pascal's triangle, to name a few. Accessible and appealing to even the most math-phobic individual, this fun and enlightening book allows the reader to appreciate the elegance of mathematics and its amazing applications in both natural and cultural settings. Â Â

Book Information

Hardcover: 364 pages

Publisher: Prometheus Books; First Printing edition (June 21, 2007)

Language: English

ISBN-10: 1591024757

ISBN-13: 978-1591024750

Product Dimensions: 6.3 x 1 x 9.3 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 stars Â Â See all reviews Â (15 customer reviews)

Best Sellers Rank: #396,505 in Books (See Top 100 in Books) #45 in Â Books > Science & Math > Mathematics > Geometry & Topology > Algebraic Geometry #127 in Â Books > Science & Math > Mathematics > Pure Mathematics > Number Theory #1160 in Â Books > Science & Math > Mathematics > Pure Mathematics > Algebra

Customer Reviews

This is a beautifully produced book. The front jacket is amongst the most attractive I have seen and the back cover is dense with quotations from reviews singing its praises, including one from a Nobel Laureate. Oh dear, how we can be deceived by outside appearances! The text contains so many errors, misleading statements and moments of such stupidity that to discuss them all would require a volume about equal in size to the original. Let me take you through a few examples: -Page 21. $41/12$ is neither a square number nor an integer as claimed in the text. Page 22. There is no contradiction in Fibonacci stating that the problem under discussion is indeterminate and for him then to give a (correct) solution to it. Page 33. The proof of Property 2 given in appendix B is a proof by contradiction, not a proof by induction as stated. Page 34. Many of the factors listed in Figure 1-9 are wrong. See, for example, the factors given for the sixth Fibonacci number. Page 40. Figure 1-11 is confusing. What is the rectangle on the RHS supposed to indicate? Page 48, Figures 1-14 and 1-15. Contrary to their captions, both would seem to contain an odd number of rectangles. Page 49. Line 7 and line 18 are identical, lines 8 and 19, to which each is supposed to be equal, are not equal. Page 49. Line 20. 1156 does not equal 342 , and 342 is not the 29th Fibonacci number. Page 51, last line but one. 520 is not the product of 18 and 29 . Page 56. The written summary of property 13 is wrong. Page 80. Footnote should read 'fourth difference', not 'third difference'. Page 82. Why express amazement that, in a table of differences for the Fibonacci sequence, each new line of differences repeats the original sequence.

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

The Fabulous Fibonacci Numbers Fibonacci and Lucas Numbers with Applications, Volume One (Pure and Applied Mathematics: A Wiley Series of Texts, Monographs and Tracts) Fibonacci Fun: Fascinating Activities With Intriguing Numbers 4 Weeks of Fabulous Paleolithic Breakfasts (4 Weeks of Fabulous Paleo Recipes Book 1) 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) LOTTERY NUMBERS: 7 Numbers That WIN Most Often Fancy Nancy's Fabulous Fall Storybook Collection Singapore Cooking: Fabulous Recipes from Asia's Food Capital [Singapore Cookbook, 111 Recipes] Singapore Cooking: Fabulous Recipes from Asia's Food Capital From Flea Market to Fabulous Modern Thai Food: 100 Fabulous Thai Recipes for Contemporary Cooks [Thai Cookbook, 132 Recipes] Fabulous Stamped Frames: Creative Greeting Card Designs & Inspiration (Annie's Attic: Paper Crafts) Learn to Use Two-Hole Beads with 25 Fabulous Projects: A Beginner's Guide to Designing With Twin Beads, SuperDuos,

and More Crochet Mandala: 15 Best Fabulous Patterns With Easy Instructions: (Crochet Hook A, Crochet Accessories, Crochet Patterns, Crochet Books, Easy Crochet ... Crocheting For Dummies, Crochet Patterns) Style: The Lady's Guide to French Style, Fashion and Beauty- Get Dressed to Look Charm and Elegant (French Chic, Sense of Style, Style, Style Books, Style ... Dressed, Look Hot, Look Fabulous Book 1) Knit a Square, Create a Cuddly Creature: From Flat to Fabulous - A Step-by-Step Guide The Fabulous Gourmet Food Processor Cookbook Polymer Clay Projects: Fabulous Jewellery, Accessories, & Home Decor 35 Italian Recipes For Your Slow Cooker - Fabulous Italian Meals and Italian Cuisine (The Slow Cooker Meals And Crock Pot Recipes Collection Book 1) Extreme Pumpkin Carving, Second Edition Revised and Expanded: 20 Amazing Designs from Frightful to Fabulous

[Dmca](#)