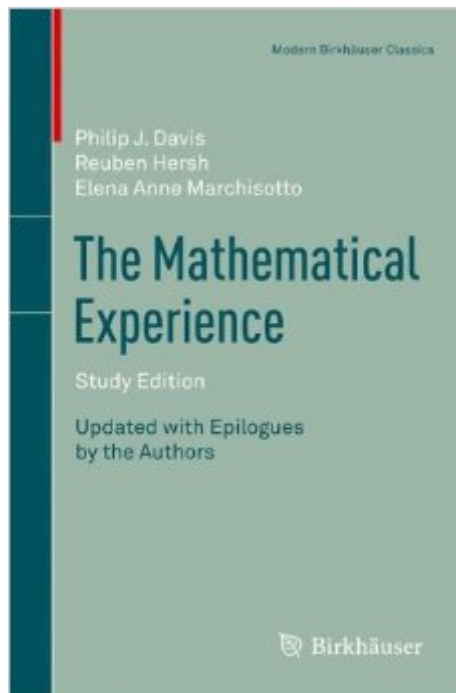# The Mathematical Experience, Study Edition (Modern BirkhÃ¤user Classics)

Synopsis

Winner of the 1983Â National Book Award!"â |a perfectly marvelous book about the Queen of Sciences, from which one will get a real feeling for what mathematicians do and who they are. The exposition is clear and full of wit and humor..." - The New Yorker (1983Â National Book Award edition)Mathematics has been a human activity for thousands of years. Yet only a few people from the vast population of users are professional mathematicians, who create, teach, foster, and apply it in a variety of situations. The authors of this book believe that it should be possible for these professional mathematicians to explain to non-professionals what they do, what they say they are doing, and why the world should support them at it. They also believe that mathematics should be taught to non-mathematics majors in such a way as to instill an appreciation of the power and beauty of mathematics. Many people from around the world have told the authors that they have done precisely that with the first edition and they have encouraged publication of this revised edition complete with exercises for helping students to demonstrate their understanding. This edition of the book should find a new generation of general readers and students who would like to know what mathematics is all about. It will prove invaluable as a course text for a general mathematics appreciation course, one in which the student can combine an appreciation for the esthetics with some satisfying and revealing applications.The text is ideal for 1) a GE course for Liberal Arts students 2) a Capstone course for perspective teachers 3) a writing course for mathematics teachers. A wealth of customizable online course materials for the book can be obtained from Elena Anne Marchisotto (elena.marchisotto@csun.edu) upon request.

Book Information

Series: Modern BirkhÃƒÂ¤user Classics

Paperback: 500 pages

Publisher: BirkhÃƒÂ¤user; 2012. Updated with Epilogues by the Authors edition (October 27, 2011)

Language: English

ISBN-10: 0817682945

ISBN-13: 978-0817682941

Product Dimensions: 7 x 1.2 x 10 inches

Shipping Weight: 2.5 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 starsÂ Â See all reviewsÂ (5 customer reviews)

Best Sellers Rank: #525,847 in Books (See Top 100 in Books)   #247 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Logic   #391 inÂ Books > Textbooks > Education >

Customer Reviews

I took Ruben Hersh's class, Foundations of Mathematics, with this book as the text, in the early '80's. It was a wonderful experience and I fell in love with the material, pouring more time into this course than all my others. I was reading Hofstadter's "Godel, Escher and Bach" at the same time and the two books fit together like hand and glove. The course was graduate level but a few undergrads were taking it and the book is appropriate for a general audience with an interest in math. It could also be called Philosophy of Math and really makes a great connection between math theorem proving and the Hegelian dialectic upon which the USA is founded. So this book will not only improve your outlook on math but will also make you a better citizen of a democracy. It is important to realize the relationship between proof and refutation and dialectical reasoning and how these are fundamental mechanisms for how humans interact to achieve better results in aggregate than they would as individuals. Expect to learn about Plato, Gauss, Cantor, Descartes, Hegel, Lakatos, Frege, Russell, Hilbert, Goedel and more. I had an earlier edition with some beautiful cover art but would expect the current edition to be just as good otherwise.

This book was a revelation to me. I was teaching Physics to gifted high school students at the time I read the book and was looking for innovative ways to teach the associated mathematics. This book opened the door to mathematics the way I was teaching physics, that is following a historical path. So I started to teach the historical perspective of both math and physics simultaneously, which proved to be a very organic method. As human beings progressively learned more about both subje•cts, so my students and I progressed with the material, historic•ally. Lovely book, filled with superb material which is as enlightening and it is entertaining. Enjoy!

Perfect quality way cheaper than actual prize.

Book was in perfect condition. I did not particularly enjoy the book due to technical, a lot of information at once and boring.

good

Download to continue reading...

The Mathematical Experience, Study Edition (Modern BirkhÃ¤user Classics) Introduction to

Quantum Groups (Modern BirkhÃ¤user Classics) Observing the User Experience, Second Edition: A Practitioner's Guide to User Research The Elements of User Experience: User-Centered Design for the Web and Beyond (2nd Edition) (Voices That Matter) Quantifying the User Experience: Practical Statistics for User Research Writing Effective User Stories: As a User, I Can Express a Business Need in User Story Format To Get the IT Solution I Need Android XBMC Kodi 5 In 1 User Guide (Updated September 2016): Android Tablet, Phone & Google TV User Guide, XBMC Kodi & TV Streaming User Guide Windows 10: The Ultimate User Guide for Advanced Users to Operate Microsoft Windows 10 (tips and tricks, user manual, user guide, updated and edited, Windows ... (windows,guide,general.guide,all Book 4) Echo: Echo Advanced User Guide (2016 Updated) : Step-by-Step Instructions to Enrich your Smart Life (Echo User Manual, Alexa User Guide, Echo Dot, Echo Tap) Modern Classics Journeys End (Modern Classics (Penguin)) Modern Classics Selected Poetry (Penguin Modern Classics) Elementary Cryptanalysis: A Mathematical Approach (Mathematical Association of America Textbooks) Elementary Algebraic Geometry (Student Mathematical Library, Vol. 20) (Student Mathematical Library, V. 20) Handbook of Mathematical Functions: with Formulas, Graphs, and Mathematical Tables (Dover Books on Mathematics) A Course in Mathematical Modeling (Mathematical Association of America Textbooks) The Mathematical Olympiad Handbook: An Introduction to Problem Solving Based on the First 32 British Mathematical Olympiads 1965-1996 (Oxford Science Publications) Mathematical Apocrypha: Stories and Anecdotes of Mathematicians and the Mathematical (Spectrum) Lecture Notes on Mathematical Olympiad Courses: For Junior Section (Mathematical Olympiad Series) Transformation Groups for Beginners (Student Mathematical Library, Vol. 25) (Student Mathematical Library, V. 25) Flow: The Psychology of Optimal Experience (Harper Perennial Modern Classics)