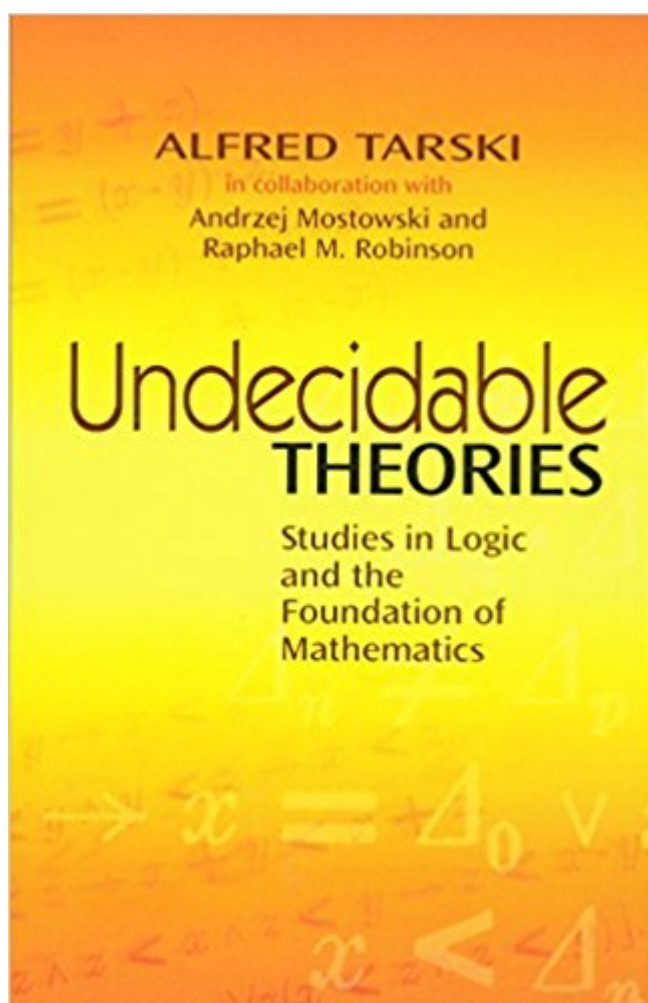


The book was found

Undecidable Theories: Studies In Logic And The Foundation Of Mathematics (Dover Books On Mathematics)



Synopsis

This graduate-level book is well known for its proof that many mathematical systems—including lattice theory, abstract projective geometry, and closure algebras—are undecidable. Based on research conducted from 1938 to 1952, it consists of three treatises by a prolific author who ranks among the greatest logicians of all time. The first article, "A General Method in Proofs of Undecidability," examines theories with standard formalization, undecidable theories, interpretability, and relativization of quantifiers. The second feature, "Undecidability and Essential Undecidability in Mathematics," explores definability in arbitrary theories and the formalized arithmetic of natural numbers. It also considers recursiveness, definability, and undecidability in subtheories of arithmetic as well as the extension of results to other arithmetical theories. The compilation concludes with "Undecidability of the Elementary Theory of Groups."

Book Information

Series: Dover Books on Mathematics

Paperback: 112 pages

Publisher: Dover Publications (August 19, 2010)

Language: English

ISBN-10: 0486477037

ISBN-13: 978-0486477039

Product Dimensions: 5.3 x 0.4 x 8.2 inches

Shipping Weight: 4.8 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 5 customer reviews

Best Sellers Rank: #744,351 in Books (See Top 100 in Books) #99 in Books > Science & Math > Mathematics > Pure Mathematics > Group Theory #362 in Books > Science & Math > Mathematics > Pure Mathematics > Logic #8366 in Books > Textbooks > Science & Mathematics > Mathematics

Customer Reviews

Polish mathematician Alfred Tarski (1901-83) ranks among the greatest logicians of all time. Best known for his work on model theory, meta mathematics, and algebraic logic, he contributed to many other fields of mathematics and taught at the University of California, Berkeley, for more than 40 years. Tarski's student Andrzej Mostowski worked at the University of Warsaw on first-order logic and model theory. Tarski's University of California colleague Raphael M. Robinson built on Tarski's

concept of essential undecidability and proved a number of mathematical theories undecidable.

A beautiful slim volume that has served as the starting point for so much of the research on the topics of decidable and undecidable theories formulated in First Order Logic, key themes in Model Theory and in Recursion Theory.

Tarski is great, always!

a fabulous, beautifully written book; quick delivery!

Since the winter is coming, you may want to settle in your recliner chair with a glass of your favorite libation and spend a quiet evening with this book. But the evening won't be quiet for your brain, which will be working OT to grasp all that is in this book.

If you've studied the foundations this is a wonderful refresher. After reading in it, I've found it to be a mind cleaner, so straight and to the point, so pleasing to the thought processes. Read, and think about every idea presented. It's like a gym for your mind. Try to visualize all the formal systems that are talked about, you will be rewarded. Work through the example theories to solidify the concepts. Note the precision and terseness of the writing. See what the ancient authors left for us. The reading of this will provide osmosis for the improvement of your own writing. It's a wonderful, healthy adventure in reading and writing.

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

Undecidable Theories: Studies in Logic and the Foundation of Mathematics (Dover Books on Mathematics) Foundation, Foundation and Empire, Second Foundation On Formally Undecidable Propositions of Principia Mathematica and Related Systems Logic and Boolean Algebra (Dover Books on Mathematics) Set Theory and Logic (Dover Books on Mathematics) Nursing Theories and Nursing Practice (Parker, Nursing Theories and Nursing Practice) Philosophies And Theories For Advanced Nursing Practice (Butts, Philosophies and Theories for Advanced Nursing Practice) A Beginner's Guide to Mathematical Logic (Dover Books on Mathematics) An Introduction to Mathematical Logic (Dover Books on Mathematics) Topoi: The Categorical Analysis of Logic (Dover Books on Mathematics) Five Nights at Freddy's - The Theories Collection: Learn all of the secrets of Freddy Fazbear's Pizza, with dozens of theories and notes from FNAF experts! Gauge Theories in

Particle Physics, Vol. 2: Non-Abelian Gauge Theories: QCD and the Electroweak Theory (Volume 1) Theories of Personality (PSY 235 Theories of Personality) Personality Theories Workbook (PSY 235 Theories of Personality) Middle Range Theories: Application to Nursing Research (Peterson, Middle Range Theories) The New Creationism: Building scientific theories on a biblical foundation Weeds of the South (Wormsloe Foundation Nature Book) (Wormsloe Foundation Nature Book Ser.) The New Wider World: Foundation Edition (Foundation Editions Series) Implementing Cisco IP Routing (ROUTE) Foundation Learning Guide: (CCNP ROUTE 300-101) (Foundation Learning Guides) READING ORDER: TAMI HOAG: BOOKS LIST OF THE BITTER SEASON, KOVAC/LISKA BOOKS, HENNESSY BOOKS, QUAID HORSES, DOUCET BOOKS, DEER LAKE BOOKS, ELENA ESTES BOOKS, OAK KNOLL BOOKS BY TAMI HOAG

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)