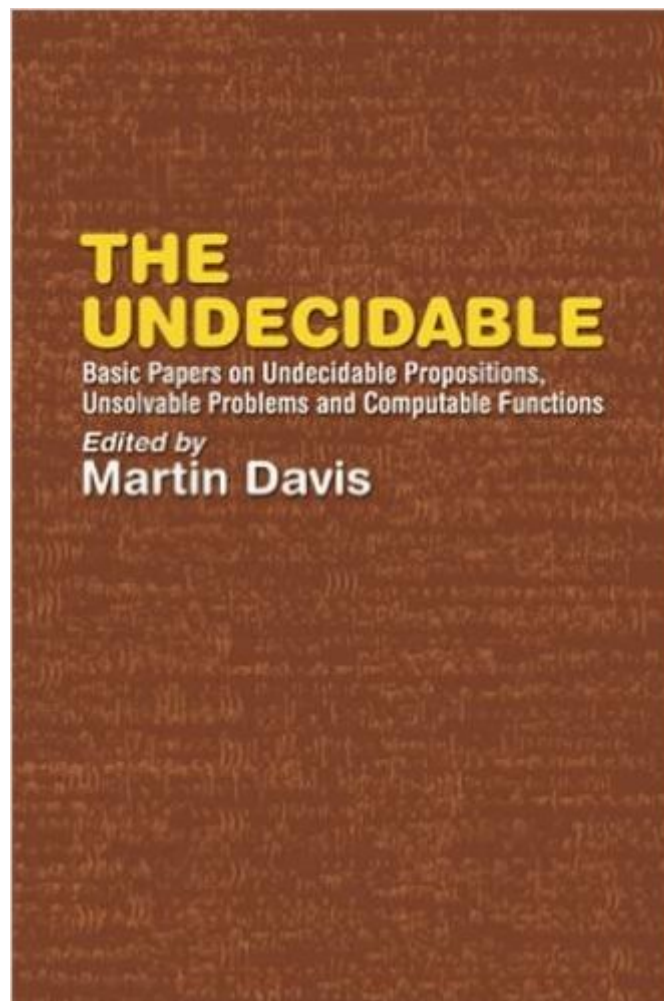


The book was found

The Undecidable: Basic Papers On Undecidable Propositions, Unsolvable Problems And Computable Functions (Dover Books On Mathematics)



Synopsis

"A valuable collection both for original source material as well as historical formulations of current problems." — The Review of Metaphysics "Much more than a mere collection of papers. A valuable addition to the literature." — Mathematics of Computation

An anthology of fundamental papers on undecidability and unsolvability by major figures in the field, this classic reference is ideally suited as a text for graduate and undergraduate courses in logic, philosophy, and foundations of mathematics. It is also appropriate for self-study. The text opens with Godel's landmark 1931 paper demonstrating that systems of logic cannot admit proofs of all true assertions of arithmetic. Subsequent papers by Godel, Church, Turing, and Post single out the class of recursive functions as computable by finite algorithms. Additional papers by Church, Turing, and Post cover unsolvable problems from the theory of abstract computing machines, mathematical logic, and algebra, and material by Kleene and Post includes initiation of the classification theory of unsolvable problems. Supplementary items include corrections, emendations, and added commentaries by Godel, Church, and Kleene for this volume's original publication, along with a helpful commentary by the editor.

Book Information

Series: Dover Books on Mathematics

Paperback: 414 pages

Publisher: Dover Publications; Dover Ed edition (February 18, 2004)

Language: English

ISBN-10: 0486432289

ISBN-13: 978-0486432281

Product Dimensions: 6.4 x 0.8 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars — See all reviews (1 customer review)

Best Sellers Rank: #815,417 in Books (See Top 100 in Books) #387 in Books > Science & Math > Mathematics > Pure Mathematics > Logic #7687 in Books > Textbooks > Science & Mathematics > Mathematics

Customer Reviews

This is a great collection of seminal papers by Goedel, Church, Turing, Rosser, Kleene, and Post on the topic of undecidability. It is an extremely handy reference. Just to note: this is certainly not a tutorial or guide to this topic for the beginner. Davis provides some prefatory comments, but these

are concise and mostly set the context for the papers, rather than explaining the content of the papers. This book is more for someone interested in going back to first sources.

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

The Undecidable: Basic Papers on Undecidable Propositions, Unsolvable Problems and Computable Functions (Dover Books on Mathematics) Elements of the Theory of Functions and Functional Analysis (Dover Books on Mathematics) Handbook of Mathematical Functions: with Formulas, Graphs, and Mathematical Tables (Dover Books on Mathematics) Mathematics, Science and Epistemology: Volume 2, Philosophical Papers (Philosophical Papers (Cambridge)) Leadership Roles and Management Functions in Nursing: Theory and Application (Marquis, Leadership Roles and Management Functions in Nursing) Microsoft Excel 2013 Functions & Formulas Quick Reference Card (4-page Cheat Sheet focusing on examples and context for intermediate-to-advanced functions and formulas- Laminated Guide) Microsoft Excel 2010 Functions & Formulas Quick Reference Guide (4-page Cheat Sheet focusing on examples and context for intermediate-to-advanced functions and formulas- Laminated Guide) Practical Problems in Mathematics for Industrial Technology (Practical Problems In Mathematics Series) Green's Functions and Condensed Matter (Dover Books on Physics) Amazing Origami Kit: Traditional Japanese Folding Papers and Projects [144 Origami Papers with Book, 17 Projects] Scholarly Writing for Law Students, Seminar Papers, Law Review Notes and Law Review Competition Papers (American Casebook Series) Truth and Progress: Philosophical Papers (Philosophical Papers (Cambridge)) (Volume 3) Objectivity, Relativism, and Truth: Philosophical Papers (Philosophical Papers (Cambridge)) (Volume 1) Windows 10 Troubleshooting: Windows 10 Manuals, Display Problems, Sound Problems, Drivers and Software: Windows 10 Troubleshooting: How to Fix Common Problems ... Tips and Tricks, Optimize Windows 10) Jokes For Kids - Joke Books : Funny Books : Kids Books : Books for kids age 9 12 : Best Jokes 2016 (kids books, jokes for kids, books for kids 9-12, ... funny jokes, funny jokes for kids) (Volume 1) Vectors, Tensors and the Basic Equations of Fluid Mechanics (Dover Books on Mathematics) Basic Algebra II: Second Edition (Dover Books on Mathematics) Mathematics and the Imagination (Dover Books on Mathematics) Curvature in Mathematics and Physics (Dover Books on Mathematics) Foundations and Fundamental Concepts of Mathematics (Dover Books on Mathematics)

[Dmca](#)