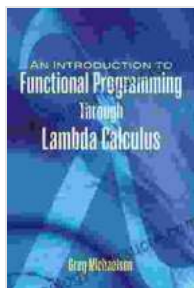# An Introduction to Functional Programming Through Lambda Calculus: Revised Edition

About the Book

This book provides an to the theory of lambda calculus, a simple but foundational formalism used in computer science to study the semantics of programming languages and the foundations of logic. The book begins with a brief overview of the history of lambda calculus and its use in computer science, before moving on to a detailed exposition of the theory itself. The book covers both the basic theory of lambda calculus and its more advanced extensions, such as typed lambda calculus and the Curry-Howard isomorphism.

An Introduction to Functional Programming Through Lambda Calculus (Dover Books on Mathematics)

by Greg Michaelson

★★★★☆ 4.4 out of 5

Language	: English
File size	: 12030 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 336 pages
Lending	: Enabled
Screen Reader	: Supported

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The book is written in a clear and concise style, with plenty of examples and exercises to help the reader understand the material. It is suitable for

use as a textbook for a graduate course on lambda calculus or as a reference book for researchers in computer science and logic.

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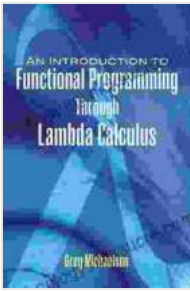6. Advanced Topics in Lambda Calculus

Author

The author of this book is Peter Selinger, a professor of computer science at the University of Ottawa. Selinger is a leading researcher in the field of lambda calculus and has written extensively on the subject.

Reviews

This book has been praised by reviewers for its clarity, conciseness, and comprehensiveness. One reviewer wrote, "This is the best book on lambda calculus that I have ever read. It is clear, concise, and comprehensive. I highly recommend it to anyone who is interested in learning about lambda calculus."

This book is an excellent to the theory of lambda calculus. It is suitable for use as a textbook for a graduate course on lambda calculus or as a reference book for researchers in computer science and logic.
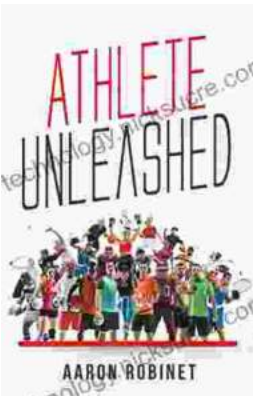
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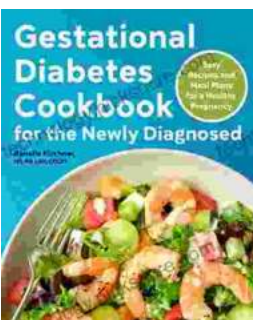
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