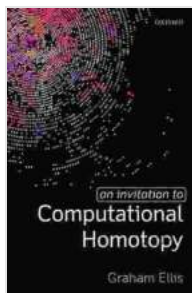# An Invitation to Computational Homotopy: A Journey into the Mathematical Foundations of Computer Science

Computational homotopy is a rapidly growing field that is revolutionizing the way we think about the mathematical foundations of computer science. This book is an accessible to this exciting new area, providing a comprehensive overview of the essential concepts and techniques.

An Invitation to Computational Homotopy by Doris Baker

★★★★★ 5 out of 5

Language	: English
File size	: 14552 KB
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The book begins with a gentle to the basic concepts of algebraic topology and category theory, the two mathematical disciplines that provide the foundation for computational homotopy. The authors then use these concepts to develop a powerful theory for understanding the structure of computational objects, such as data structures, algorithms, and programs.

The book is illustrated with numerous examples and exercises, making it an ideal resource for students, researchers, and practitioners who want to learn about computational homotopy. The book is also a valuable resource

for anyone who wants to understand the mathematical foundations of computer science.
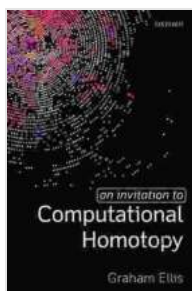
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Reviews

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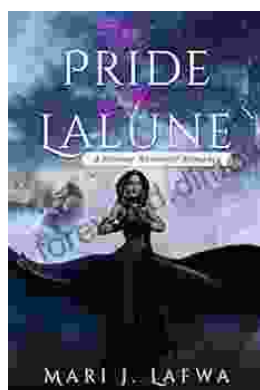|	
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