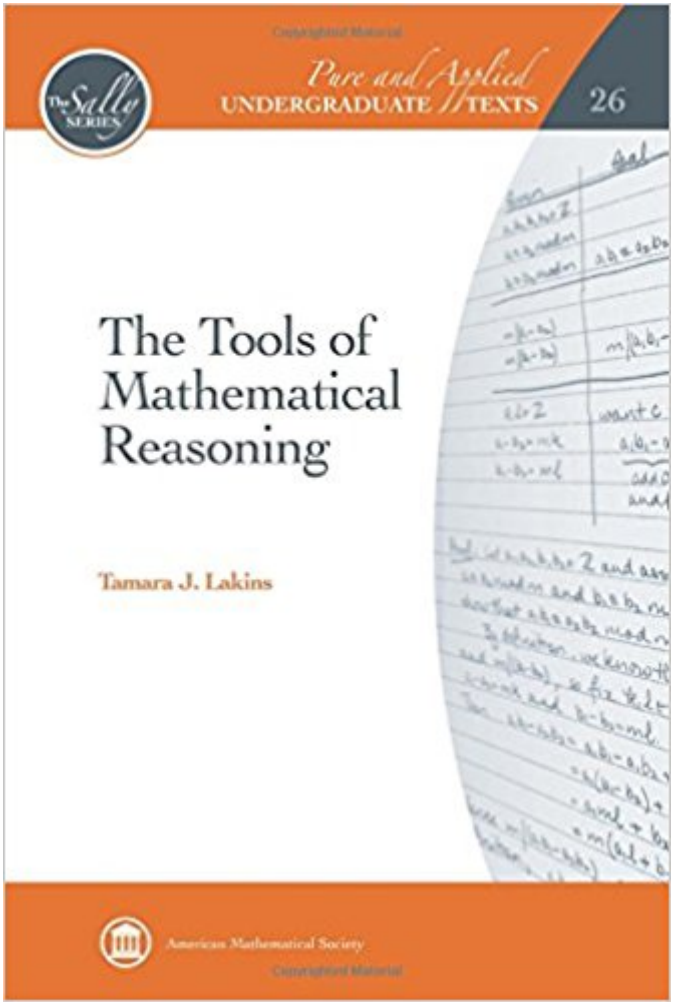
The Tools Of Mathematical Reasoning (Pure And Applied Undergraduate Texts)



Synopsis

This accessible textbook gives beginning undergraduate mathematics students a first exposure to introductory logic, proofs, sets, functions, number theory, relations, finite and infinite sets, and the foundations of analysis. The book provides students with a quick path to writing proofs and a practical collection of tools that they can use in later mathematics courses such as abstract algebra and analysis. The importance of the logical structure of a mathematical statement as a framework for finding a proof of that statement, and the proper use of variables, is an early and consistent theme used throughout the book.

Book Information

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Customer Reviews

"Lakins' book is a nice, solid exposition of the tools students need as they transition to abstract mathematical thinking." - Michele Intermont, MAA Reviews

Tamara J. Lakins Allegheny College, Meadville, PA.

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