



The Mathematics of Infinity: A Guide to Great Ideas

Theodore G. Faticoni

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Continuing to draw from his extensive work on the subject, the author provides a user-friendly presentation that avoids unnecessary, in-depth mathematical rigor. This Second Edition provides important coverage of logic and sets, elements and predicates, cardinals as ordinals, and mathematical physics. Classic arguments and illustrative examples are provided throughout the book and are accompanied by a gradual progression of sophisticated notions designed to stun readers' intuitive view of the world.

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- Logic, sets, and functions
- Prime numbers
- Counting infinite sets
- Well ordered sets
- Infinite cardinals
- Logic and meta-mathematics
- Inductions and numbers

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