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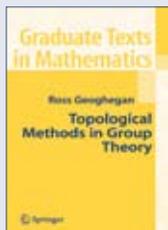
### Quadratic Diophantine Equations

T. Andreescu, University of Dallas, Dallas, TX, USA; D. Andrica, University Cluj-Napoca, Romania

This text treats the classical theory of quadratic diophantine equations and guides the reader through the last two decades of computational techniques and progress in the area. The presentation features two basic methods to investigate and motivate the study of quadratic diophantine equations: the theories of continued fractions and quadratic fields. It also discusses Pell's equation and its generalizations, and presents some important quadratic diophantine equations and applications. The inclusion of examples makes this book useful for both research and classroom settings.

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R. Geoghegan, State University of New York at Binghamton, NY, USA

This book is about the interplay between algebraic topology and the theory of infinite discrete groups, with a focus on the theory of ends. While early chapters cover standard topics from a 1st year algebraic topology course, the author has also included unique topics such as Bass-Serre theory, Coxeter groups, Thompson groups, Whitehead's contractible 3-manifold, Davis's exotic contractible manifolds in dimensions greater than three, the Bestvina-Brady Theorem, and the Bieri-Neumann-Strebel invariant.

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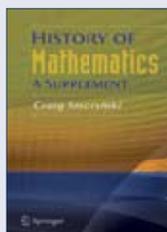
B. Hughes, Sherman Oaks, CA, USA

Leonardo da Pisa, better known as Fibonacci, selected the most useful parts of Greco-Arabic geometry for the book *De Practica Geometrie*. This translation is a reconstruction of the book as the author judges Fibonacci wrote it, thereby

correcting inaccuracies found in modern histories. It is a high quality translation with supplemental text to explain text that has been more freely translated. A bibliography of primary and secondary resources, completed by an index of names and special words is included.

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C. Smoryński, Westmont, IL, USA

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A. Soifer, University of Colorado, Colorado Springs, CO, USA



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▶ *Alexander Soifer has opened up his heart – and in the process his great love for mathematics, his creative ability, his respect for and skill in teaching, his joy in living all shine through* ▶ **Philip L. Engel**

1st ed. 1987. 2nd printing 2008. Approx. 130 p. 67 illus. Softcover

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