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Groups, Graphs And Trees: An Introduction To The Geometry Of Infinite Groups (London Mathematical Society Student Texts)



Synopsis

This outstanding new book presents the modern, geometric approach to group theory, in an accessible and engaging approach to the subject. Topics include group actions, the construction of Cayley graphs, and connections to formal language theory and geometry. Theorems are balanced by specific examples such as Baumslag-Solitar groups, the Lamplighter group and Thompson's group. Only exposure to undergraduate-level abstract algebra is presumed, and from that base the core techniques and theorems are developed and recent research is explored. Exercises and figures throughout the text encourage the development of geometric intuition. Ideal for advanced undergraduates looking to deepen their understanding of groups, this book will also be of interest to graduate students and researchers as a gentle introduction to geometric group theory.

Book Information

Series: London Mathematical Society Student Texts (Book 73)

Paperback: 244 pages

Publisher: Cambridge University Press; 1 edition (September 15, 2008)

Language: English

ISBN-10: 0521719771

ISBN-13: 978-0521719773

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 15.2 ounces (View shipping rates and policies)

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Customer Reviews

Excellent book - used it for an undergrad course on GGT. Exciting and accessible.

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