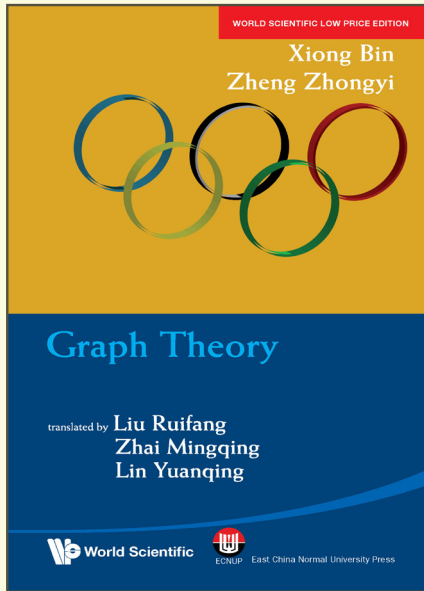


Graph Theory

In Mathematical Olympiad and Competitions



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ISBN	9798886130331
Extent	156pp
Binding	Paperback
Year	2024
Price	Rs. 1195

ABOUT THE BOOK

In 1736, the mathematician Euler invented graph theory while solving the Königsberg seven-bridge problem. Over 200 years later, graph theory remains the skeleton content of discrete mathematics, which serves as a theoretical basis for computer science and network information science. This book introduces some basic knowledge and the primary methods in graph theory by many interesting problems and games.

READERSHIP

High-school mathematics students and teachers, coaches of mathematical olympiads, undergraduates and graduates in mathematics, non-experts interested in mathematical competitions.

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- Introduction
- Definition of Graph
- Degree of a Vertex
- Turán's Theorem
- Tree
- Euler's Problem
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