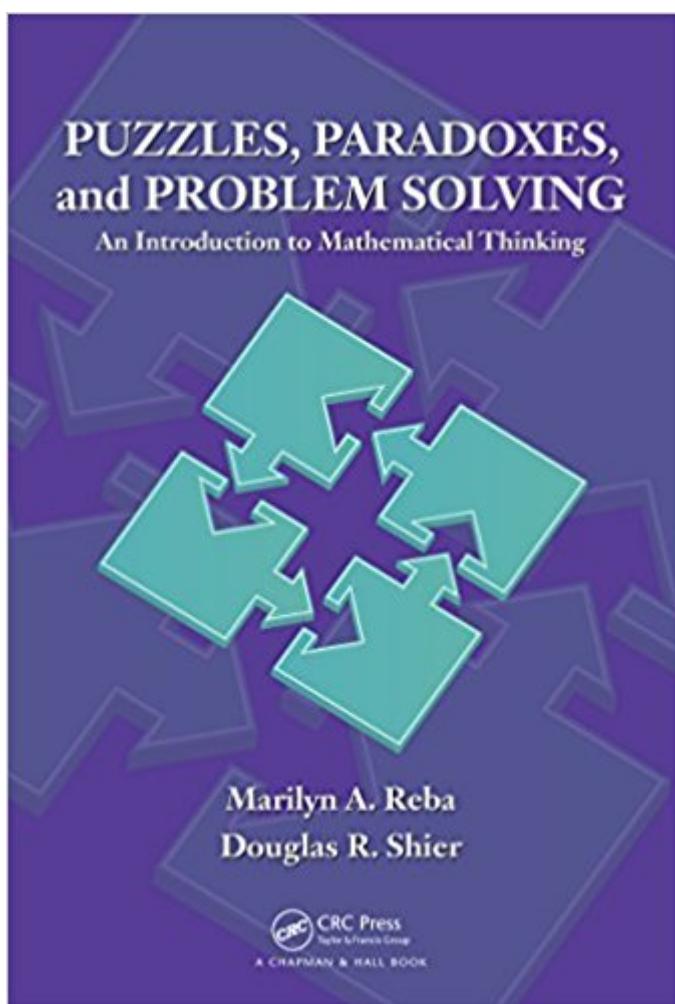


The book was found

Puzzles, Paradoxes, And Problem Solving: An Introduction To Mathematical Thinking



Synopsis

A Classroom-Tested, Alternative Approach to Teaching Math for Liberal Arts Puzzles, Paradoxes, and Problem Solving: An Introduction to Mathematical Thinking uses puzzles and paradoxes to introduce basic principles of mathematical thought. The text is designed for students in liberal arts mathematics courses. Decision-making situations that progress from recreational problems to important contemporary applications develop the critical-thinking skills of non-science and non-technical majors. The logical underpinnings of this textbook were developed and refined throughout many years of classroom feedback and in response to commentary from presentations at national conferences. The text's five units focus on graphs, logic, probability, voting, and cryptography. The authors also cover related areas, such as operations research, game theory, number theory, combinatorics, statistics, and circuit design. The text uses a core set of common representations, strategies, and algorithms to analyze diverse games, puzzles, and applications. This unified treatment logically connects the topics with a recurring set of solution approaches. Requiring no mathematical prerequisites, this book helps students explore creative mathematical thinking and enhance their own critical-thinking skills. Students will acquire quantitative literacy and appreciation of mathematics through the text's unified approach and wide range of interesting applications.

Book Information

File Size: 12329 KB

Print Length: 605 pages

Publisher: Chapman and Hall/CRC; 1 edition (December 15, 2014)

Publication Date: December 15, 2014

Sold by: Digital Services LLC

Language: English

ASIN: B00QFFYAQ4

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #306,965 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #32 in Kindle Store > Kindle eBooks > Nonfiction > Science > Mathematics > Recreation & Games

Customer Reviews

This book arrived before the date suggested by the shipper. The book is one that let you think on the simple things you learned from high school throughout college. I was impressed with the clarity on the presentation of the material. I would recommend this book and course for every college students

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