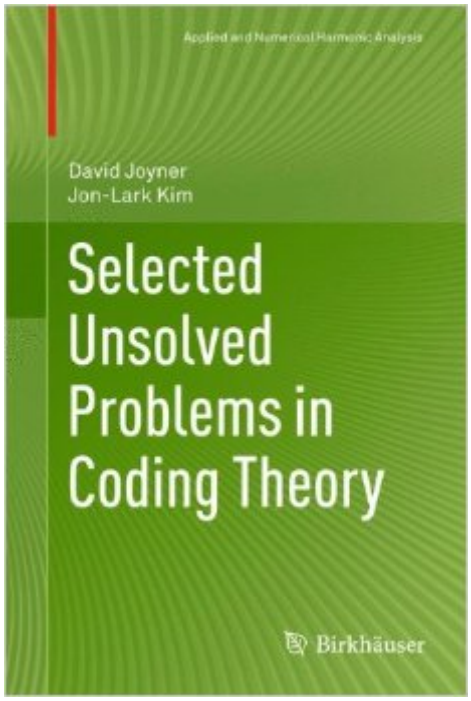
Selected Unsolved Problems In Coding Theory (Applied And Numerical Harmonic Analysis)



Synopsis

Using an original mode of presentation, and emphasizing the computational nature of the subject, this book explores a number of the unsolved problems that still exist in coding theory. A well-established and highly relevant branch of mathematics, the theory of error-correcting codes is concerned with reliably transmitting data over a â ˆnoisyâ ™ channel. Despite frequent use in a range of contexts, the subject still contains interesting unsolved problems that have resisted solution by some of the most prominent mathematicians of recent decades.Employing Sageâ •a free open-source mathematics software systemâ •to illustrateÂ ideas, this bookÂ is intended for graduate students and researchers in algebraic coding theory. The work may be used as supplementary reading material in a graduate course on coding theory or for self-study.

Book Information

Series: Applied and Numerical Harmonic Analysis

Hardcover: 248 pages

Publisher: BirkhÃƒÂ¤user; 2011 edition (August 26, 2011)

Language: English

ISBN-10: 0817682554

ISBN-13: 978-0817682552

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 14.1 ounces (View shipping rates and policies)

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