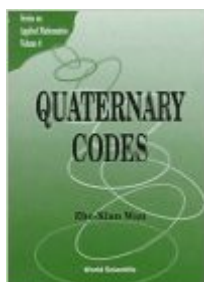


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Quaternary Codes (Series On Applied Mathematics)



Synopsis

In recent years quaternary codes have attracted the attention of the coding community as several notorious binary nonlinear codes containing more codewords than any known linear codes were found to be binary images under the Gray map of linear codes over $\mathbb{F}_4$. This discovery opens the way for a broader study of quaternary codes, which constitute a rapidly growing area of coding theory. This book is based on the author's lectures in Xi'an, China and Lund, Sweden and covers the most recent developments of this theory.

Book Information

Series: Series on Applied Mathematics (Book 8)

Hardcover: 256 pages

Publisher: World Scientific Publishing Company (December 5, 1997)

Language: English

ISBN-10: 9810232748

ISBN-13: 978-9810232740

Product Dimensions: 1 x 6.5 x 9 inches

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

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