

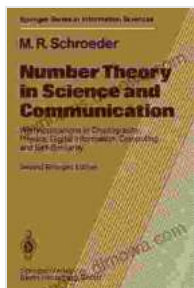
The Mathematics of Errors: With Applications In Cryptography, Physics, Digital Information, Computing, And

The Mathematics of Errors provides a comprehensive treatment of the mathematics of errors, with applications in cryptography, physics, digital information, and computing. It is written for researchers and graduate students in these fields, and assumes a basic understanding of mathematics. The book covers a wide range of topics, including:

- The foundations of error correction and detection
- Coding theory and its applications in cryptography
- The mathematics of information theory and its applications in digital communication
- The mathematics of data compression and its applications in digital storage
- The mathematics of computing and its applications in error-correcting codes.

The book is divided into five parts. The first part provides an to the mathematics of errors, including the basic concepts of probability and information theory. The second part covers coding theory and its applications in cryptography. The third part covers the mathematics of information theory and its applications in digital communication. The fourth part covers the mathematics of data compression and its applications in

digital storage. The fifth part covers the mathematics of computing and its applications in error-correcting codes.



Number Theory in Science and Communication: With Applications in Cryptography, Physics, Digital Information, Computing, and Self-Similarity

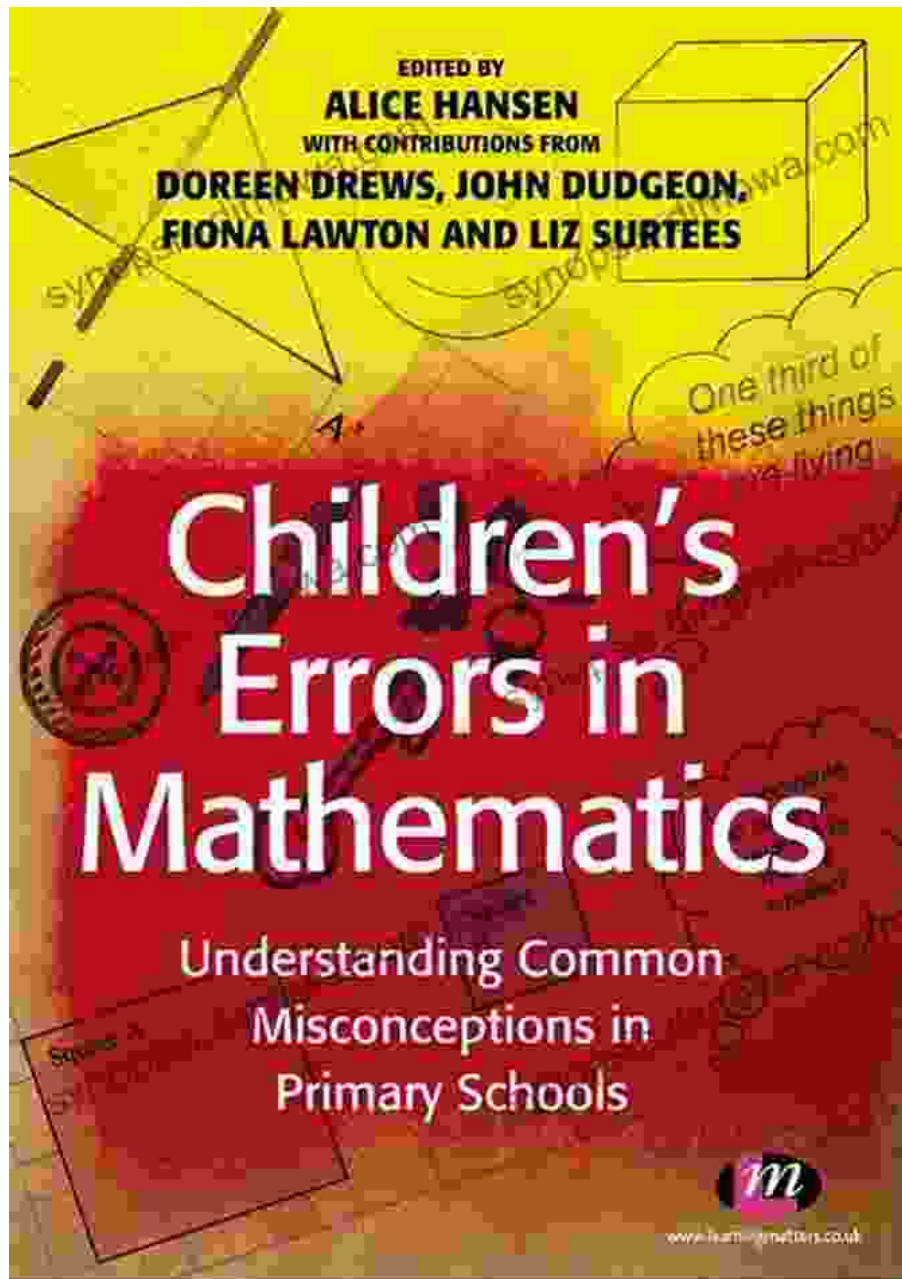
by David W. Hollar

★★★★☆ 4.8 out of 5

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Print length : 455 pages
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Hardcover : 486 pages
Item Weight : 18.77 pounds
Dimensions : 6.14 x 1.44 x 9.21 inches



The Mathematics of Errors is a comprehensive and authoritative treatment of the mathematics of errors. It is an essential resource for researchers and graduate students in cryptography, physics, digital information, and computing.



About the Author

The author, David J.C. MacKay, is a professor of information theory and machine learning at the University of Cambridge. He is a Fellow of the Royal Society and a member of the National Academy of Sciences. He is the author of several books, including Information Theory, Inference, and Learning Algorithms and Graphical Models.

Reviews

"The Mathematics of Errors is a comprehensive and authoritative treatment of the mathematics of errors. It is an essential resource for researchers and graduate students in cryptography, physics, digital information, and computing." - **Nature**

"This book is a valuable addition to the literature on error correction and detection. It provides a comprehensive and up-to-date treatment of the subject, and it is written in a clear and concise style." - **IEEE Transactions on Information Theory**

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2. Coding Theory
3. Information Theory
4. Data Compression
5. Computing

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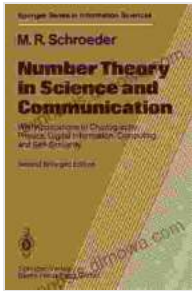
Errata

[Errata to be added]

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