



## Introduction to Information Theory and Data Compression (Second Edition)

By Darrel Hankerson, Greg A. Harris, Peter D. Johnson, Jr.

CRC Press/Star Educational Books Distributors, 2003. Hardcover. Book Condition: New. 2nd edition. An effective blend of carefully explained theory and practical applications, this text imparts the fundamentals of both information theory and data compression. Although the two topics are related, this unique text allows either topic to be presented independently, and it was specifically designed so that the data compression section requires no prior knowledge of information theory. The treatment of information theory, while theoretical and abstract, is quite elementary, making this text less daunting than many others. After presenting the fundamental definitions and results of the theory, the authors then apply the theory to memoryless, discrete channels with zeroth-order, one-state sources. The chapters on data compression acquaint students with a myriad of lossless compression methods and then introduce two lossy compression methods. Students emerge from this study competent in a wide range of techniques. The authors` presentation is highly practical but includes some important proofs, either in the text or in the exercises, so instructors can, if they choose, place more emphasis on the mathematics. Introduction to Information Theory and Data Compression, Second Edition is ideally suited for an upper-level or graduate course for students in mathematics, engineering, and...



READ ONLINE [ 7.42 MB ]

## Reviews

This kind of publication is every thing and taught me to seeking ahead and a lot more. It really is rally interesting through time. I realized this ebook from my i and dad recommended this publication to understand.

-- Dax Herzog

The book is great and fantastic. it had been writtern extremely perfectly and valuable. I am very happy to let you know that here is the finest pdf i have read through within my own life and can be he very best book for actually.

-- Miss Rossie Fay