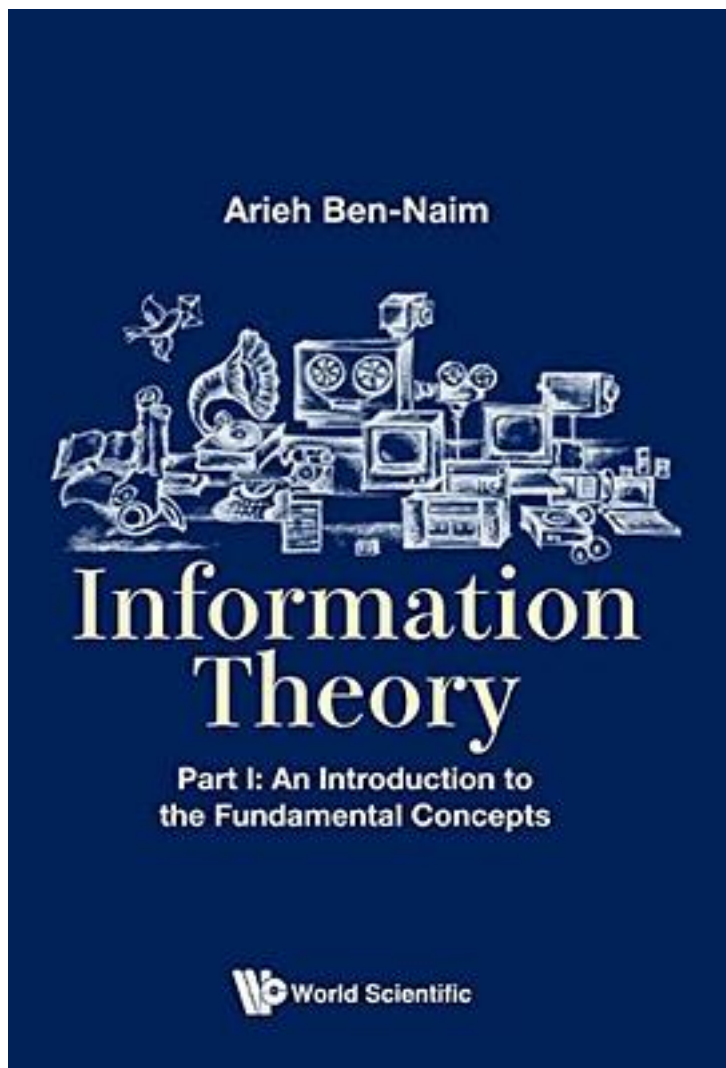# Information Theory, Part I

[Information Theory, Part I_下载链接1_](#)

著者:Arieh Ben-Naim

出版者:World Scientific Publishing Company

出版时间:2017-8-2

装帧:Paperback

isbn:9789813208834

This book is about the definition of the Shannon measure of Information, and some derived quantities such as conditional information and mutual information. Unlike many books, which refer to the Shannon's Measure of information (SMI) as "Entropy," this book makes a clear distinction between the SMI and Entropy. In the last chapter, Entropy is derived as a special case of SMI. Ample examples are provided which help the reader in understanding the different concepts discussed in this book. As with previous books by the author, this book aims at a clear and mystery-free presentation of the central concept in Information theory - the Shannon's Measure of Information. This book presents the fundamental concepts of Information theory in a friendly-simple language and is devoid of all kinds of fancy and pompous statements made by authors of popular science books who write on this subject. It is unique in its presentation of Shannon's measure of information, and the clear distinction between this concept and the thermodynamic entropy. Although some mathematical knowledge is required by the reader, the emphasis is on the concepts and their meaning rather on the mathematical details of the theory.

作者介绍:

目录:

Information Theory, Part I_下载链接1_

标签

信息论

物理学

物理

热力学

数学

大一

评论

[Information Theory, Part I_下载链接1_](#)

书评

[Information Theory, Part I_下载链接1_](#)