Science and Information Theory

By Leon Brillouin

Dover Publications. Paperback. Book Condition: New. Paperback. 366 pages. Dimensions: 8.5in. x 5.3in. x 0.9in.A classic source for exploring the connections between information theory and physics, this text is geared toward upper-level undergraduates and graduate students. The author, a giant of twentieth-century mathematics, applies the principles of information theory to a variety of issues, including Maxwells demon, thermodynamics, and measurement problems. Author Leon Brillouin begins by defining and applying the term information and proceeds to explorations of the principles of coding, coding problems and solutions, the analysis of signals, a summary of thermodynamics, thermal agitation and Brownian motion, and thermal noise in an electric circuit. A discussion of the negentropy principle of information introduces Brillouins renowned examination of Maxwells demon. Concluding chapters explore the associations between information theory, the uncertainty principle, and physical limits of observation, in addition to problems related to computing, organizing information, and inevitable errors. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

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