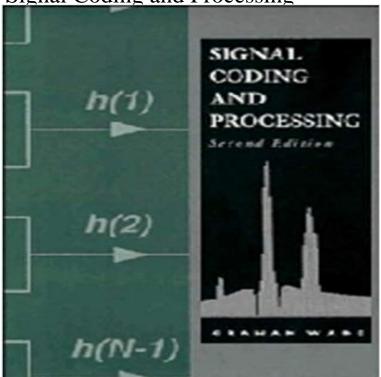
Signal Coding and Processing



Signal coding and signal processing are complex and critical elements communications systems in broadcasting, satellite, and magnetic recording fields among others. Because both signal coding and processing are often found within a single electronic system (especially large communications systems), this uniquely combines an introduction to both of these areas and provides an uncluttered theoretical treatment of optical coding and processing algorithms, together with design information for practical systems. The author examines Pulse Code Modulation fundamentals, surveys modern data compression techniques, introduces block and convolutional error control codes, and discusses modern transmission coding techniques. Complete with problems and solutions, and containing over diagrams, this textbook will be invaluable to third- and fourth-year undergraduates in electronic, electrical, or communication engineering. It will also act as a useful reference for anyone working in this technologically important field.

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