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**Title:** Digital and analog communication systems

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**Publication:** Research supported by the U.S. Air Force, NSF, NASA, and U.S. Department of Energy. New York, John Wiley and Sons, Inc., 1979. 616 p.

**Publication Date:** 00/1979

**Category:** Communications and Radar

**Origin:** [STI](#)

**NASA/STI Keywords:** Analog Circuits, Communication Equipment, Digital Systems, Pulse Communication, Signal Transmission, Transmission Efficiency, Carrier Waves, Channel Capacity, Error Correcting Codes, Modulation, Random Noise, Random Signals, Signal Analysis, Stochastic Processes, Systems Analysis

**Bibliographic Code:** [1979STIA...8023225S](#)

The book presents an introductory treatment of digital and analog communication systems with emphasis on digital systems. Attention is given to the following topics: systems and signal analysis, random signal theory, information and channel capacity, baseband data transmission, analog signal transmission, noise in analog communication systems, digital carrier modulation schemes, error control coding, and the digital transmission of analog signals.

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