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Title **Principles of digital and analog communications**

Edition 2nd ed.

Author(s) [Gibson, Jerry D](#)

Publication New York : MacMillan, 1993. - 576 p.

Subject code [621.391](#)

Subject category Engineering

Abstract This textbook for the first course in communications covers analog and digital systems and emphasizes digital communications. It covers data transmission, signal space, optimal receivers, and pulse code modulation, and includes readable treatments of coded modulation and continuous phase modulation. Advanced mathematics is kept to a minimum-Fourier series, Fourier transforms, linear systems, random variables, and stochastic process are described thoroughly. It includes data compression of speech and images and a full chapter coverage of information theory, rate distortion theory and coded modulation. It relates digital communications theory to current practice and covers digital communications over band-width constrained channels, including pulse shaping and equalization. -- Dieser Text bezieht sich auf eine vergriffene oder nicht verfügbare Ausgabe dieses Titels.

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