



Principles of Communications: Systems, Modulation, and Noise

By Rodger E. Ziemer, W. H. Tranter

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This updated and revised edition offers a broad yet rigorous introduction to communication theory. Contains an excellent account of noise effects in analog and digital communication systems followed by introductory treatments of detection, estimation, information and coding theory. New to this edition: sections on trellis-coded modulation and carrier reconstruction; material on interference demonstrating the difference between linear and nonlinear systems; updates on optical communication links and feedback channels. Features scores of new examples and problems as well as computer exercises using mathematics packages such as MATLAB® and MathCad® to facilitate students' understanding of concepts and applications.

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