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2.3.5 Integrating analog-to-digital converters2.3.6 Dither; 2.3.7 Sigma-delta analog-to-digital converters; Summary; Review questions; Solved problems; 3 Adaptive digital systems; Background; Objectives; 3.1 Introduction; 3.1.1 System structure; 3.2 The processor and the performance function; 3.2.1 The adaptive linear combiner; 3.2.2 The performance function; 3.3 Adaptation algorithms; 3.3.1 The method of steepest descent; 3.3.2 Newton's method; 3.3.3 The least mean square algorithm; 3.4 Applications; 3.4.1 Adaptive interference canceling; 3.4.2 Equalizers; 3.4.3 Adaptive beamforming; Summary
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4.2.6.2 The Hamming net

Sommario/riassunto

A uniquely practical DSP text, this book gives a thorough understanding of the principles and applications of DSP with a minimum of mathematics, and provides the reader with an introduction to DSP applications in telecoms, control engineering and measurement and data analysis systems.The new edition contains: Expanded coverage of the basic concepts to aid understanding New sections on filter sysnthesis, control theory and contemporary topics of speech and image recognition Full solutions to all questions and exercises in the book A complete on-line resource<