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Altri autori (Persone)	SchreierRichard <1961-> TemesGabor C. <1929->
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Soggetti	Analog-to-digital converters Digital-to-analog converters Modulators (Electronics) Convertidors analògic/digitals Convertidors digital/analògics Moduladors (Electrònica)
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Nota di contenuto	1 The Magic of Delta-Sigma Modulation -- 2 Sampling, Oversampling, and Noise-Shaping -- 3 Second-Order Delta-Sigma Modulation -- 4 High-Order Delta-Sigma Modulators -- 5 Multi-Stage and Multi-Quantizer Delta-Sigma Modulators -- 6 Mismatch-Shaping -- 7 Circuit Design for Discrete-Time Delta-Sigma ADCs -- 8 Continuous-Time Delta-Sigma Modulation -- 9 Nonidealities in Continuous-Time Delta-Sigma Modulators -- 10 Circuit Design for Continuous-Time Delta-Sigma Modulators -- 11 Bandpass and Quadrature Delta-Sigma Modulation -- 12 Incremental Analog-to-Digital Converters -- 13 Delta-Sigma DACs -- 14 Interpolation and Decimation Filters -- A Spectral Estimation -- B The Delta-Sigma Toolbox -- C Linear

Sommario/riassunto

This new edition introduces operation and design techniques for Sigma-Delta converters in physical and conceptual terms, and includes chapters which explore developments in the field over the last decade. Includes information on MASH architectures, digital-to-analog converter (DAC) mismatch and mismatch shaping. Investigates new topics including continuous-time analog-to-digital converters (ADCs) principles and designs, circuit design for both continuous-time and discrete-time ADCs, decimation and interpolation filters, and incremental ADCs. Provides emphasis on practical design issues for industry professionals.
