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Buy Multirate Statistical Signal Processing (Signals and Communication Technology) 2007 by Jahromi, Omid S. (ISBN: 9781402053160) from Amazon's Book Store. Everyday low prices and free delivery on eligible orders.

~~Multirate Statistical Signal Processing (Signals and ...~~

Introduction. The field of multirate signal processing has witnessed a great deal of progress and an increasingly wide range of applications since the publication of the first textbook by Crochiere and Rabiner (1983). However, this progress has been mainly in the area of deterministic systems with emphasis on perfect reconstruction and/or orthogonal systems.

~~Multirate Statistical Signal Processing | SpringerLink~~

This book introduces a statistical theory for extracting information from signals that have different sampling rates. This new theory generalizes the conventional (deterministic) theory of multirate systems beyond many of its constraints. Furthermore, it allows for the formulation of several new problems such as spectrum estimation, time-delay estimation and sensor fusion in the realm of multirate signal processing.

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Multirate Statistical Signal Processing Signals In digital signal processing, downsampling, compression, and decimation are terms associated with the process of resampling in a multi-rate digital signal processing system.

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Multirate Statistical Signal Processing introduces a statistical theory for extracting information from related signals with different sampling rates. Further, it allows for the formulation and solution of new problems:

~~Multirate Statistical Signal Processing~~

Signal Reconstruction with Adaptive Multi-Rate Signal Processing. signal processing and digital audio. Multi-rate statistical and adaptive signal processing methods provide solution to original signal reconstruction, using observation signals sampled at different rates.

~~multirate statistical signal processing signals and ...~~

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~~Multirate Statistical Signal Processing - Omid S. Jahromi ...~~

Multirate Statistical Signal Processing Signals In digital signal processing, downsampling, compression, and decimation are terms associated with the process of resampling in a multi-rate digital signal processing system. Both downsampling and decimation can be synonymous with compression, or they can describe an entire process of

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Abstract-In multirate digital signal processing, we often encounter time-varying linear systems such as decimators, interpolators, and modulators. In many applications, these building blocks are interconnected with linear filters to form more complicated systems. It is often necessary to understand the way in which the statistical behavior of a signal changes as it passes

~~Effects of Multirate Systems on the Statistical Properties ...~~

multirate statistical signal processing introduces a statistical theory for extracting information from related signals that have different sampling rates this new theory generalizes the conventional deterministic theory of multirate systems beyond many of its constraints furthermore it allows for the formulation and solution of several new problems such as spectrum estimation time delay

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Due to the statistical nature of the signals of interest, the class of noise shaping filters and quantizers is then enlarged to include linear periodically time varying ... various multirate and statistical signal processing concepts used throughout the paper are reviewed. 2) In Section III, we discuss briefly the multirate modeling.

~~Oversampling PCM Techniques And Optimum Noise Shapers For ...~~

This is the first book to introduce and integrate the topics of digital signal processing (DSP) and statistical classification together, and the only volume to introduce state-of-the-art transforms, including DFT, FFT, DCT, DST, DHT, DHLT, DFHT, DTWT, DWT, DHAT, PCT, CCT, CDT, and ODT together for DSP and digital communication applications.

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