Iterative detection - adaptivity, complexity reduction, and applications

Kluwer Academic Publishers - Executive function: Reflection, iterative reprocessing, complexity, and the developing brain

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Special Issues on Biomedical Device Design and Medical Image Processing (BDD&MIP)

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Tags: #An #iterative #wavelet #threshold #for #signal #denoising

Carbides: Properties, Production, and Applications by T. Y. Kosolapova, Paperback

According to this model, reflection, or the reflective reprocessing of information prior to responding, provides a foundation for the control of attention — flexibly, over time, and selectively i. Matrix inversion-less signal detection using SOR method for uplink large-scale MIMO systems pp.

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Scholtz's Chapter 5 in The Spread Spectrum Communications Handbook by M.

Iterative Detection

The optimal receiver for virtually any system is conceptually simple, yet typically prohibitively complex to implement.

[PDF] An Efficient Early Iteration Termination for Turbo Decoder

The local Duke hosts for the workshop were , , , , and. Parameter-First Combining Optimal techniques for the evaluation of the soft outputs defined in equations 9a and 9b , and more precisely the quantity P z 0 n,x 0 n are derived. IEEE Journal of Selection Topics Signal Processing, 8 5 , 742—758.

Compressive

Parallelizing sparse LU decomposition on FPGAs. They are distinguished from traditional networks by strict limitations on system bandwidth and sensor energy resources. A configurable architecture for sparse LU decomposition on matrices with arbitrary patterns.

Adaptive Preconditioned Iterative Linear Detection and Architecture for Massive MU

These soft outputs are the direct generalizations of well-known soft outputs for perfect CSI to the case of an unknown parameter Θ.

Compressive

Analysis is performed at the packet level and fully considers the queueing dynamics in systems with arbitrary, potentially bursty, arrival processes. Neely Satellite and wireless networks operate over time-varying channels that depend on attenuation conditions, power allocation decisions, and inter-channel interference. The book gives a concise yet comprehensive look at digital communication fundamentals before explaining signal processing algorithms in receivers.

Complexity reduction of iterative minimum mean square error detection and decoding techniques

In this approach, soft inverse blocks—each one corresponding to a subsystem in the original network—may be connected in an intuitive way to form the ID network. The comparison between MSM-MULT-LMS-SB and MSM-MULT-KF-OB shows that LMS channel estimation with sub-optimal binding is nearly as good as the KF with optimal and computationally expensive-binding. Similar performance curves are reproduced in FIG.

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