

Volume 88

Issue 6

June 2008

ISSN 0165-1684

SIGNAL PROCESSING

An International Journal

A publication of the European Association for Signal Processing (EURASIP)



Contents

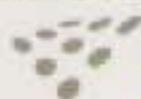
Abstracted/indexed in: Arts & Humanities Search[®]; ASFA (Aquatic Sciences and Fisheries Abstracts); Computer and Information Systems; CSA Aerospace, & High Technology Database; CSA Life Sciences Abstracts; CSA Technology Research Database; Current Contents Search[®]; DIALOG Newsroom; Education Abstracts; EI Compendex[®]; Electronics and Communications Abstracts; Energy Science and Technology; Environmental Engineering Abstracts; GeoRef; Inside Conferences; Inspec; MathSci[®]; MetalBase; PASCAL; SciSearch[®]; Solid State and Superconductivity Abstracts; Thomson Scientific Science Citation Index; UnCover[®]; Wilson Applied Science & Technology Abstracts. Also covered in the abstract and citation database SCOPUS[®]. Full text available on ScienceDirect[®].

Research Papers

- X. Shao and S.G. Johnson
Type-IV DCT, DST, and MDCT algorithms with reduced numbers of arithmetic operations 1313
- J. Liu, Z. Huang and Y. Zhou
Extended $2q$ -MUSIC algorithm for noncircular signals 1327
- T.-T. Lin
Performance analysis of non-data aided SBIB receivers for CDMA systems 1340
- E.P. Tsolaki
Testing nonstationary time series for Gaussianity and linearity using the evolutionary bispectrum: An application to internet traffic data 1355
- P.P. Pokharel, U. Ozertem, D. Erdogan and J.C. Principe
Recursive complex BSS via generalized eigendecomposition and application in image rejection for BPSK 1368
- C.E.R. Fernandes, G. Favier and J.C.M. Mota
Blind channel identification algorithms based on the Parafac decomposition of cumulant tensors: The single and multiuser cases 1382
- M. Blanco-Velasco, F. Cruz-Roldán, E. Moreno-Martínez, J.-I. Godino-Llorente and K.E. Barner
Embedded filter bank-based algorithm for ECG compression 1402
- Y.-T. Hsieh and W.-R. Wu
Performance analysis of an adaptive two-stage PIC CDMA receiver in AWGN channels 1413
- J.-J. Shyu and S.-C. Pei
A generalized approach to the design of variable fractional-delay FIR digital filters 1428
- J.S. Wu, H.Z. Shu, L. Senhadji and L.M. Luo
A fast algorithm for the computation of 2-D forward and inverse MDCT 1436
- J. Wu, Z. Qiu and D. Sun
A hierarchical identification method based on improved hand geometry and regional content feature for low-resolution hand images 1447
- L.M. San José-Revuelta
An heuristic search technique for fixed frequency assignment in non-homogeneous demand systems 1461

Contents continued inside

0165-1684(200806)88:6;1-I

Available online at www.sciencedirect.com**ScienceDirect**

CONTENTS

H. Boche and U.J. Mönich On stable Shannon type reconstruction processes	1477
M.H. Costa, L.R. Ximenes and J.C.M. Bermudez Statistical analysis of the LMS adaptive algorithm subjected to a symmetric dead-zone nonlinearity at the adaptive filter output	1485
J.-M. Guo Watermarking in dithered halftone images with embeddable cells selection and inverse halftoning	1496
P.-L. Lin and P.-Y. Huang Fusion methods based on dynamic-segmented morphological wavelet or cut and paste for multifocus images	1511
S. Chatterjee and T.V. Sreenivas Optimum switched split vector quantization of LSF parameters	1528
Y. Guo, A. Xue and D. Peng A recursive algorithm for bearings-only tracking with signal time delay	1539
X. Shao and S.G. Johnson Type-II/III DCT/DST algorithms with reduced number of arithmetic operations	1553
C.-W. Kok, W.-C. Siu and Y.-M. Law Peak constrained two-dimensional quadrantly symmetric eigenfilter design without transition band specification	1565
M.A. Doron and A. Nevet Robust wavefield interpolation for adaptive wideband beamforming	1579
Fast Communications	
W. Xia, Z. He, B. Liu and C. Niu Adaptive multichannel blind identification using manifold optimization	1595
C. Ni, Q. Li and L.Z. Xia A novel method of infrared image denoising and edge enhancement	1606
A. Wong Adaptive bilateral filtering of image signals using local phase characteristics	1615
Obituary: H.-W. Schüßler	1620
Calls for papers	1622