



Volume 84

Issue 12

December 2004

ISSN 0165-1684

SIGNAL PROCESSING

An International Journal

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



SIGNAL PROCESSING

Volume 84, No. 12, December 2004

CONTENTS

Regular papers

- S. Boussakta, O. Alshibami and A. Bouridane
Vector radix- 4×4 for fast calculation of the 2-D new Mersenne number transform 2231
- Y. Li, A. Cichocki and L. Zhang
Blind source estimation of FIR channels for binary sources: a grouping decision approach 2245
- M. Agrawal and K.-C. Tan
Higher rank ambiguity for star arrays 2265
- K. Vasudevan
Detection of signals in correlated interference using a predictive VA 2271
- J. Vidal, A. Bonafonte and N. Fernández
Rational characteristic functions and Markov chains: application to modeling probability density functions 2287
- T. Mei and F. Yin
Blind separation of convolutive mixtures by decorrelation 2297
- L. Vergara, J. Gosálbez, J.V. Fuente, R. Miralles and I. Bosch
Measurement of cement porosity by centroid frequency profiles of ultrasonic grain noise 2315
- J. Selva
Complexity reduction in the parametric estimation of superimposed signal replicas 2325
- A.D. Parkins and A.K. Nandi
Genetic programming techniques for hand written digit recognition 2345
- A. Sprriet, M. Moonen and J. Wouters
Spatially pre-processed speech distortion weighted multi-channel Wiener filtering for noise reduction 2367
- P.K. Shetty, R. Srikanth and T.S. Ramu
Modeling and on-line recognition of PD signal buried in excessive noise 2389
- S. Ries
Digital time-delay beamforming with interpolated signals 2403

M.A. Alonso and M.J. Bastiaans Mapping-based width measures and uncertainty relations for periodic functions	24
C.R. Pinnegar and L. Mansinha Time-frequency localization with the Hartley S-transform	24
Fast communications	
A.M. Barbancho, I. Barbancho and L.J. Tardón Adaptive multirate near-far resistant PIC receiver for UMTS in Rayleigh fading	24
I. Barbancho, L.J. Tardón and A.M. Barbancho Code shift for intercarrier interference cancellation in MC-DS-CDMA	24
I. Cohen Modeling speech signals in the time-frequency domain using GARCH	24
Call for papers	
Tensor Signal Processing	24
SPAWC 2005 New York City - June 5-8 2005	24