

# Contents

---

---

## Vol. 46, No. 6, 2010

A simultaneous English language translation of this journal is available from Allerton Press, Inc.,  
Distributed worldwide by Springer. *Optoelectronics, Instrumentation and Data Processing* ISSN 8756-6990.

---

---

### Analysis and Synthesis of Signals and Images

Estimation of the amplitude–phase Distribution of Broadband Signals by the Eigenvector Method <i>N. G. Parkhomenko and N. M. Ivanov</i>	511
Search for Man-Made Objects on the Basis of Multispectral Processing of Remote Sensing Data <i>S. M. Borzov, V. I. Kozik, and O. I. Potaturkin</i>	516
Sampling Functions in Nonuniform Sampling of a Periodic Signal <i>V. M. Efimov, A. L. Reznik, and A. V. Torgov</i>	521
Efficiency of Output-Uniform Coding of Bernoulli Sources for Unknown Message Statistics <i>V. K. Trofimov</i>	533
Algorithm of Nonlinear Quasioptimal Digital Processing of Angle-Modulated Signals <i>A. A. Loginov, O. A. Morozov, and S. L. Khmelev</i>	539
Nonparametric Algorithms of Pattern Recognition in the Problem of Testing a Statistical Hypothesis on Identity of Two Distribution Laws of Random Variables <i>A. V. Lapko and V. A. Lapko</i>	545
Parallel Schemes of Certain Discrete Orthogonal Transformations <i>Ya. E. Romm and V. V. Zabeglov</i>	551
Quasioptimal Estimates of the Center Frequency of a Narrow-Band Normal Random Process with a Gaussian Spectrum <i>V. S. Sobolev and F. A. Zhuravel'</i>	565
Use of a posteriori Information to Control of a Poorly Formalizable Dynamic Object <i>S. I. Kolesnikova</i>	571

---

### Physical and Engineering Fundamentals of Microelectronics and Optoelectronics

Electrostatic Microgenerators of Energy with a High Specific Power <i>I. L. Baginsky, E. G. Kostsov, and A. A. Sokolov</i>	580
Development of Highly Efficient Mosaic Photodetectors Based on Arrays of Photosensitive Elements <i>A. R. Novoselov</i>	593
Measuring the Thickness of the Fluid Film Moving on a Spherical Surface <i>A. P. Belousov and P. Ya. Belousov</i>	601

---

Author Index to Volume 46, 2010	606
---------------------------------	-----

Contents of Volume 46, 2010	608
-----------------------------	-----

---

---