**"Giroskopiya i Navigatsiya" №1, 2011**

**CONTENTS**

|  |  |
| --- | --- |
| *V.G. Peshekhonov* Gyroscopic Systems: Current Status and Prospects  [abstract](http://www.elektropribor.spb.ru/en/n1_2011.html#a1) | 3 |
| *G.I. Emeliantsev, B.е. Landau, S.L. Levin, S.S. Gurevich, S.G. Romanenko* Specifics of an Integrated Attitude Reference and Navigation System for Orbital Spacecraft  [abstract](http://www.elektropribor.spb.ru/en/n1_2011.html#a2) | 17 |
| *V.V. Chistyakov, N.V. Mikhailov, S.S. Pospelov, M.V. Vasilyev, N.V. Vasilyeva* Method of Fast First Fix for Low Cost GNSS Receivers  [abstract](http://www.elektropribor.spb.ru/en/n1_2011.html#a3) | 26 |
| *V.G. Peshekhonov, Ya.A. Nekrasov, P. Pfluger, C. Kergueris, H. Haddara, A. Elsayed* Test Results for RR-type Micromechanical Gyroscope  [abstract](http://www.elektropribor.spb.ru/en/n1_2011.html#a4) | 37 |
| *M.I. Evstifeev, D.P. Eliseev, ю.S. Kovalev, D.V. Rozentsvein* Results of MEMS Gyro Mechanical Tests  [abstract](http://www.elektropribor.spb.ru/en/n1_2011.html#a5) | 49 |
| *N.I. Krobka* Differential Methods of Identifying the Structure of Noises for Fiber-Optical and Other Gyros  [abstract](http://www.elektropribor.spb.ru/en/n1_2011.html#a6) | 59 |
| *V.N. Koneshov, D.V. Abramov, I.V. Koneshov* Refined Calculation of Vertical Gradient in Airborne Gravity Survey  [abstract](http://www.elektropribor.spb.ru/en/n1_2011.html#a7) | 78 |
| *M.B. Rozengauz* Calculating the Reliability of Redundant Systems with Account of SPTA set  [abstract](http://www.elektropribor.spb.ru/en/n1_2011.html#a8) | 82 |

**TutНrial**

|  |  |
| --- | --- |
| *R.I. Ivanovsky* Sensitivity Issues in Data Processing and Control Problems  [abstract](http://www.elektropribor.spb.ru/en/n1_2011.html#a9) | 90 |

**International Public Association  
Academy of Navigation and Motion Control  
O f f i c i a l i n f o r m a t i o n**

|  |  |
| --- | --- |
| The extended session of Academy of Navigation and Motion Control | 105 |
| The 13th Conference of Young Scientists "Navigation and Motion Control" | 106 |

**Discussion**

|  |  |
| --- | --- |
| On the book "General and Applied Theory of Gyroscopes using Computer Technologies" by V.E. Dzhashitov, V.M. Pankratov, A.V. Golikov | 107 |

**INFORMATION**

|  |  |
| --- | --- |
| *ю.ю. Krasnov* 2010 International Symposium on Inertial Technology and Navigation, Nanjing, China | 113 |
| Conferences, symposiums, and exhibitions | 115 |
| *Abstracts of the papers published* | 119 |