**"Gyroskopiya i Navigatsiya" №2, 2010**

**CONTENTS**

|  |  |
| --- | --- |
| *B.V. Odintsov*On the improved accuracy of attitude determination for the remote Earth sensing spacecraft [abstract](http://www.elektropribor.spb.ru/en/n2_2010.html#a1) | 5 |
| *Michael Shatalov, Charlotte Coetzee, Stephan Joubert*Dynamics of Imperfect Hemispherical Resonator Gyro [abstract](http://www.elektropribor.spb.ru/en/n2_2010.html#a2) | 16 |
| *T.N. Siraya*Allan variance as a measurement error estimate [abstract](http://www.elektropribor.spb.ru/en/n2_2010.html#a3) | 29 |
| *I.B. Vaisgant, Yu.A. Litvinenko, V.A. Tupysev*Specific control of water speed log data in the correction of marine inertial navigation system [abstract](http://www.elektropribor.spb.ru/en/n2_2010.html#a4) | 36 |

**Brief notes**

|  |  |
| --- | --- |
| *V.Yu. Olshansky, I.S. Kurochkin*Parametric synthesis of aperiodic mode of natural oscillation damping in a dynamic system "Small Earth satellite - gyrodampers" [abstract](http://www.elektropribor.spb.ru/en/n2_2010.html#a5) | 45 |
| *A.G. Kuznetsov, Z.S. Abutidze, B.I. Portnov, V.I. Galkin, A.A. Kalik*Development of micromechanical sensors for pilotage control systems [abstract](http://www.elektropribor.spb.ru/en/n2_2010.html#a6) | 50 |
| *S.N. Belyaev, A.G. Scherbak*Study on thin film deposition on gyro assemblies [abstract](http://www.elektropribor.spb.ru/en/n2_2010.html#a7) | 57 |

**Proceedings of the 12th Conference of Young Scientists "Navigation and Motion Control"**

|  |  |
| --- | --- |
| Abstracts of papers | 63 |

**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**

*O.A. Stepanov*
*A.V. Nebylov*

|  |  |
| --- | --- |
| 29th General Meeting of Academy of Navigation and Motion Control | 105 |
| Kalman Filter: the Past and the Present (To the 80th anniversary of Rudolf Kalman) | 107 |
| Scientific, engineering and methodical heritage of Professor V.A. Besekersky | 121 |

**New books**

|  |  |
| --- | --- |
| On the book "In memory of Professor L.P. Nesenyuk. Selected works and memories"*D.P. Lukianov*Lest we forget the scholar and the friend | 101 |
| *S.F. Konovalov*For the mind and heart | 129 |

**Information**

|  |  |
| --- | --- |
| *N.A. Pakshina, P.V. Pakshin*8th International Symposium "Advances in Control Education" | 131 |
| Russian and international conferences, symposiums, and exhibitions | 139 |
| *Abstracts of the papers published* | 135 |