Scientific and technical journal
"Гироскопия и навигация" (Gyroskopiya i Navigatsiya)

(ISSN 2075-0927 - Online, ISSN 0869-7035 - Print)

Editor-in-chief: academician of RAS [V.G. Peshekhonov](http://www.elektropribor.spb.ru/home/ehead)

|  |  |
| --- | --- |
|   |  "Giroskopiya i Navigatsiya" №2, 2016  |
|   | CONTENTS

|  |  |
| --- | --- |
| *А.М. Aleshechkin and V.V. Erokhin*Trajectory optimization of dynamically controlled objects in INS/GNSS integrated navigation system [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#01) | 3  |
| *A.S. Aleinik, I.G. Deineka, M.A. Smolovik, S.T. Neforosnyi, and A.V. Rupasov*Compensation of excess RIN in fiber-optic gyro [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#02) | 20  |
| *A.V. Golikov, V.M. Pankratov, and E.V. Pankratova*Рassive methods of enhancing thermal stability in nanostructured fiber-optic gyros [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#03) | 33  |
| *B.V. Klimkovich and A.M. Tolochko*Correction filter for mechanically dithered single-axis ring laser gyros [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#04) | 41  |
| *Ya.A. Nekrasov, N.V. Moiseev, Ya.V. Belyaev, S.V. Pavlova, and R.G. Liukshonkov*Influence of translational vibrations, shocks and acoustic noise on MEMS gyro performance [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#05) | 56  |
| *Zh. Jia, Zh. Chen, P. Yu, and M. Lin*Relative positioning calibration method of phase center offsets of GPS signal antennas [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#06) | 68  |
| *V.F. Kanushin, I.G. Ganagina, D.N. Goldobin, N.S. Kosarev, and A.M. Kosareva*Influence of regularization methods on accuracy of modern global geopotential models [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#07) | 77  |
| *А.P. Karpik, L.A. Lipatnikov, and E.K. Lagutina*Prospective development of the Russian geodetic reference network as a component part of the unified coordinate-time and navigation support system [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#08) | 87  |
| *V.N. Koneshov, V.B. Nepoklonov, and L.I. Avgustov*Estimating the navigation quality of the Earth’s anomalous gravity field [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#09) | 95  |
| *K.G. Kebkal, V.K. Kebkal, A.G. Kebkal, and R. Petroccia*Experimental estimation of delivery success of navigation data packages transmitted via digi-tal hydroacoustic communication channel [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#10) | 107  |
| *B.S. Rivkin*15th IAIN World Congress [abstract](http://www.elektropribor.spb.ru/publ/n2_2016#11) | 123  |

**International Public AssociationAcademy of Navigation and Motion ControlO f f i c i a l    i n f o r m a t i o n**

|  |  |
| --- | --- |
| XLI General Meeting of the Academy of Navigation and Motion Control | 144 |

**New Books**

|  |  |
| --- | --- |
| 4th IAG Symposium on Terrestrial Gravimetry: Static and Mobile Measurements | 149 |
| The 23rd Saint Petersburg International Conference on Integrated Navigation Systems | 152 |
| On the book “Integrated INS/GNSS orientation and navigation systems” by G.I.Emelyantsev and A.P.Stepanov | 157 |

**Information**

|  |  |
| --- | --- |
| Russian and international conferences, symposia and exhibitions | 183 |

 |