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" №4, 2017 |
|  | CONTENTS   |  |  | | --- | --- | | *G. I. Emel’yantsev, B. A. Blazhnov, and A. P. Stepanov* Specific Features of Constructing a Double-mode Gyrocompass as a Tightly-coupled Integrated System  [abstract](http://www.elektropribor.spb.ru/publ/n4_2017#01) | 3 | | *Ya. I. Binder* Determination of Orientation Angles in Dead Reckoning Systems Based on One Free Gyroscope  [abstract](http://www.elektropribor.spb.ru/publ/n4_2017#02) | 18 | | *A. Radi, S. Nassar, and N. El-Sheimy* Stochastic Error Modeling of Smartphone Inertial Sensors for Navigation in Varying Dynamic Conditions  [abstract](http://www.elektropribor.spb.ru/publ/n4_2017#03) | 35 | | *A. V. Golikov, V. M. Pankratov, and M. V. Efremov* Analysis of Temperature Fields of a FOG-Based Angular Rate Measurement Unit  [abstract](http://www.elektropribor.spb.ru/publ/n4_2017#04) | 60 | | *N. S. Kosarev, V. F. Kanushin, V. I. Kaftan, I. G. Ganagina, D. N. Goldobin, G. N. Efimov* Results of Comparison of Deflections of the Vertical Identified in the Western Siberia Region  [abstract](http://www.elektropribor.spb.ru/publ/n4_2017#05) | 72 | | *V. S. Bakholdin, D. A. Gavrilov, I. S. Gerasimenko, V. A. Dobrikov, V. F. Ivanov* Results of Software-Based Joint Processing of Signals from Global and Regional Navigation Satellite Systems  [abstract](http://www.elektropribor.spb.ru/publ/n4_2017#06) | 84 | | *I. Skakun, V. Mitrikas* Comparison of Time Scales by Common View Method Based on the Measurements Taken by GLONASS Unmanned Spacecraft and Taking into Account Integer Property of Phase Ambiguities  [abstract](http://www.elektropribor.spb.ru/publ/n4_2017#07) | 95 | | *B. S. Rivkin* Satellite Technologies at ENC 2017  [abstract](http://www.elektropribor.spb.ru/publ/n4_2017#08) | 108 |   **Information**   |  |  | | --- | --- | | Russian and international conferences, symposia and exhibitions | 122 | | List of materials published in the journal in 2017 | 129 | |