**"Gyroskopiya i Navigatsiya" №1, 2010**

**CONTENTS**

|  |  |
| --- | --- |
| *B.V.Pavlov, À.K.Volkovitsky, Å.V.Karshakov* Low-frequency electromagnetic system of relative navigation and orientation  [abstract](http://www.elektropribor.spb.ru/en/n1_2010.html#a1) | 3 |
| *A.S. Galkina, A.I.Manturov, V.I.Rublyov, V.Ye.Yurin* Spacecraft angular motion control programs: estimating the accuracy of generation and realization using satellite navigation systems  [abstract](http://www.elektropribor.spb.ru/en/n1_2010.html#a2) | 15 |
| *G.I. Yåmeliantsev, B.A.Blazhnov, À.P.Stepanov* Using phase measurements for attitude control in integrated inertial-satellite system  [abstract](http://www.elektropribor.spb.ru/en/n1_2010.html#a3) | 26 |
| *B.Ye.Landau, S.S.Gurevich, G.I.Yemeliantsev, S.L.Levin, S.G.Romanenko* Calibration of errors in strapdown inertial navigation system on ESG during orbital flights  [abstract](http://www.elektropribor.spb.ru/en/n1_2010.html#a4) |  |
| *V.E. Dzhashitov, V.M. Pankratov, M.A. Barulina.* Temperature and technological errors of hemispherical resonator gyros  [abstract](http://www.elektropribor.spb.ru/en/n1_2010.html#a5) | 47 |

**Brief notes**

|  |  |
| --- | --- |
| *A.A. Odintsov* Tests of the strapdown inertial navigation system on a rocking base  [abstract](http://www.elektropribor.spb.ru/en/n1_2010.html#a6) | 63 |
| *V.Ì.Agafonov, Ye.V.Yegorov, D.L. Zaitsev* Molecular electronic meters of linear accelerations: preliminary results of the study  [abstract](http://www.elektropribor.spb.ru/en/n1_2010.html#a7) | 72 |
| *D.G. Gryazin, A.I.Skalon, À.S. Kovalev, D.I. Lychev* A method to estimate the metrological characteristics of a single-axis variable angular rate table  [abstract](http://www.elektropribor.spb.ru/en/n1_2010.html#a8) | 81 |

**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**

|  |  |
| --- | --- |
| *S.D. Ayzinov, A.V. Orekhov* Crew training for high-tech ships  [abstract](http://www.elektropribor.spb.ru/en/n1_2010.html#a9) | 91 |
| On the contest for the award named after outstanding designer of gyroscopic devices N.N.Ostryakov | 100 |

**New books**

|  |  |
| --- | --- |
| On the book "Design basis for strapdown inertial navigation systems" by V.V. Matveyev, V. Ya. Raspopov | 101 |
| On the book "The cruise to eternal ice. How it was" by V. Kuznetsova | 102 |

**Information**

|  |  |
| --- | --- |
| Russian and international conferences, symposiums, and exhibitions | 103 |
| *Abstracts of the papers published* | 111 |