**"Gyroskopiya i Navigatsiya" №2, 1999**

**CONTENTS**

|  |  |  |
| --- | --- | --- |
| **A.M.Lestev, I.B.Popova, Ye.N.Pyatyshev,  M.S.Lurie, A.A.Semenov, M.I.Yevstifeev** | **Micromechechanical gyro development and investigation** | **3** |
|  | Abstract | **10** |
| **S.S.Gurevich, V.Z.Gusinsky, V.I.Zavgorogny, B.Ye.Landau, S.V.Levin, S.G.Romanenko** | **Determining drift model coefficients for strapdown electrostatic gyro on bench test results** | **11** |
|  | Abstract | **17** |
| **K.P.Andreichenko, D.K.Andreichenko, D.M.Kalikhman** | **Temperature error of quartz accelerometer** | **18** |
|  | Abstract | **30** |
| **O.A.Stepanov, D.A.Koshaev** | **Analysis of solution methods for orientation problem using satellite systems** | **30** |
|  | Abstract | **54** |
| **Yu.S.Dubinko, T.Yu.Dubinko** | **Robust estimation usage for constructing robust RAIM - algorithms in the hardware for CIS SNS users** | **55** |
|  | Abstract | **63** |
| **A.Ye.Pelevin** | **Robust control law synthesis under uncertainty of model parameters** | **63** |
|  | Abstract | **74** |
| **D.A.Skorokhodov, S.N.Rumyantsev** | **Providing frequency selectivity in reduction algorithms for hydrofoil ship pitching: mathematical models and approaches to synthesis** | **75** |
|  | Abstract | **91** |
| **Ye.I.Somov, S.A.Butyrin, I.A.Gerasin, S.A.Gerasin** | **DINAMIKA software in gyro power fault-tolerant systems for orientation spacecraft control modeling** | **92** |
|  | Abstract | **106** |

**Brief notes**

|  |  |  |
| --- | --- | --- |
| **M.G.Maximov, Yu.Ya.Paly, S.B.Shipilov** | **Experimental investigations of alarm rotor fitting for electrostatic gyro** | **108** |
|  | Abstract | **111** |
| **V.D.Aksenenko, D.B.Aksenenko** | **Phase-code converter based on signal processor** | **112** |
|  | Abstract | **115** |
| **S.B.Sokolov, B.B.Panasenko** | **Computational algorithm for vector differentiation of directing cosines matrix** | **116** |
|  | Abstract | **119** |
| **A.V.Loparev, A.V.Nebylov** | **Accuracy research of integrated meter for sea waves profile and low altitude of flight** | **119** |
|  | Abstract | **123** |

**Academy of Navigation and Motion Control  
Official information**

|  |  |
| --- | --- |
| **First scientific and technical conference for young scientists "Navigation and Motion Control"** | **125** |
| **Paper abstracts Presented at the conference** | **127** |

**History pages**

|  |  |  |
| --- | --- | --- |
| **N.V.Treyerov** | **Collector and organiser of maritime instrument engineering (to the 90th anniversary of C.M.Chuikov)** | **143** |

**Information**

|  |  |
| --- | --- |
| **Review on A.V.Nebylov's book "Providing of accuracy control"** | **146** |
| **Russian and international conferences, symposiums, exhibitions** | **148** |