

Contents

Systems Analysis, Spacecraft Control, Data Processing, and Telemetry Systems. Earth Remote Sensing

Analysis and Procession of Signals Received from the Lander of the Mars-3 Space Probe <i>Gektin Yu. M., Kostachuk A. V.</i>	3
Identification of the Transformation of Control Actions During Their Logical Analysis in the Onboard Spacecraft Control Complex <i>Maltsev G. N., Matveev S. A.</i>	13
Assessment of Risk Measures of Technological Innovation by Cost Indicators <i>Komarchev S. S., Lipatov K. A., Petrukhin B. M., Sokolov V. A.</i>	25
Automation of identification processes short-term precursors of strong earthquakes <i>Pulinets S. A., Alekseev O. A., Linkov A. D., Razumova N. V., Kalinin S. Yu.</i>	37
Conceptual Foundations for Maximizing the Effectiveness of Advanced Control Systems for the Most Important Rocket and Space Aircraft at All Stages of Their Life Cycle <i>Vokin G. G., Nasibulin M. S., Khapaev O. A., Starovoit S. S.</i>	48

Space Navigation Systems and Devices. Radiolocation and Radio Navigation

Compensation for Relativistic Drift of the On-Board Clock of a Navigation Satellite Moving in a Geosynchronous Orbit <i>Fateev V. F., Donchenko S. I.</i>	60
Comparative Analysis of the Principles to Form and Measure the Characteristics of Navigation Radio Signals of Three Modifications of the OINC Equipment <i>Bakitko R. V., Astakhov D. A., Kunin A. A., Skrytnik A. E.</i>	66
Measuring the Maximum Permissible Power Level of the Navigation Receiver Input Signal <i>Blinov I. Yu., Arslanbekov I. R.</i>	74

Radio Engineering and Space Communication

Trends in Improving the Functional Capabilities of Spacecraft Control Equipment, as Applied to Small Spacecraft <i>Alybin A. V., Yakhutin S. A., Semochkin A. S., Pavlov G. B., Buyankin A. V.</i>	80
---	----

Solid-State Electronics, Radio Electronic Components, Micro- and Nanoelectronics, Quantum Effect Devices

Development of the Methodology for Accelerated Life Tests of Spacecraft Radioelectronic Equipment <i>Levchenko A. S., Ozhogin A. V.</i>	88
Study of Technological Modes of Radiation-Thermal Treatment Based on Irradiation with High-Energy Electrons to Increase the Radiation Resistance of Submicron Microcircuits <i>Lagov P. B., Meshcheryakov A. A., Drenin A. S., Pavlov Yu. S., Romanteeva E. P.</i>	95