

## CONTENTS

## THEORY AND METHODS OF SIGNAL PROCESSING

**Sibruk L. V., Basansky A. A.**Measurement the occupied bandwidth of digital television emission by method  $X$  dB.....11**Prokopenko I. G., Babanska N. S.**

Development of non-gaussian noise detection algorithm and investigation of its effectiveness.....16

## AUTOMATIC CONTROL SYSTEMS

**Tunik A. A., Komnatska M. M.**

On structures of combined UAV flight control systems with elements of fuzzy logics.....20

**Galaguz T. A.**

Investigation of initial data influence to the control law quality.....29

**Chumachenko E. I.**

Traffic control system based on neuron networks.....35

**Nechyporenko O. M.**

The method of analysis of reliability of frequency pressure sensor for systems of air signals of aircraft.....41

## COMPUTER-AIDED DESIGN SYSTEMS

**Prasol I. V.**

Models aggregation in electronic devices computer-aided systems.....47

**Sineglazov V. M., Boyko V. M., Kulbaka A. V.**

Integrated computer-aided design system of wind-power plant.....53

**Syneglazov V. M., Kupriyanchyk V. L.**

Computer-aided design of information fire monitoring system.....65

**Sineglazov V. M., Halatenko O. S.**

Express system of grain quality parameters determination.....70

**Sineglazov V. M., Karabetsky D. P.**

Analysis of solar power plant's efficiency.....76

**Syneglazov V. M., Godny A. P.**

Information model of computer-aided design environment.....80

## TRANSPORT SYSTEMS

**Tupitsin N. F., Dmitrenko B. I., Ziganshin A. A., Stepanenko I. A.**

The method of takeoff and landing UAV with help springboard.....91

**Sineglazov V. M., M. Shmelev Ju.**

Improving the efficiency of development process of automated helicopter flying.....97

**Sineglazov V. M., Dolgorukov S. O.**

Identification of mechanical backlash of navigation equipment testing table.....104

**MATHEMATICAL MODELING OF PROCESSES AND SYSTEMS**

**Fedorov D. M.**

Intellectual method of activity support of television system.....109

**Arkhyrei M. V., Ivanets O. B.**

Reducing uncertainty in health systems.....114

Requirements for Articles.....118