

INDEX OF THE ARTICLES, PUBLISHED IN 2015

1. *Asanov M., Bekirov E., Solomentsev O., Zaliskyi M.* Reducing the Influence of the Photocell's Surface Heating on Its Performance. – N 3 (64): 55-59.
2. *Azarskov V., Blokhin L., Ermolaeva O.* Structure Identification of Non-Linear System “Moving Object and Servo Drive” under Stochastic Disturbances. – N 4 (65): 34-41.
3. *Azarskov V., Rudyuk G.* Methodology And Results of Pilot Model Identification in Semiautomatic Flight Control. – N 3 (64): 28-33.
4. *Bevza A., Kutlakhmedov Yu., Kravets M.* Environment Radiocapacity Theory Application for the Assessment of Heavy Metals Migration in Ecosystems. – N 2 (63): 94-98.
5. *Bobrytska V.* Monitoring In Higher Education: The Role in Formation of National Manpower Policy of Ukraine. – N 3 (64): 161-168.
6. *Bogunenko N., Raksha K.* Air Traffic Controllers Assistance in Provision of Traffic Separation. – N 3 (64): 46-50.
7. *Bogunenko N., Yastrub M., Zastola Ju.* Overview of Power Plants for Unmanned Aircraft Systems. – N 3 (64): 40-45.
8. *Chepizhenko V., Aliakin O.* Analysis of Unmanned Aerial Vehicle Formation Flight Control Methods. – N 3 (64): 22-27.
9. *Dmitrukha T.* The Analysis of Environmental State of Various-Purpose Objects in Case of Their Illumination with Mercury Containing Sources of Light. – N 1 (62): 85-88
10. *Drobysheva N.* The Role of Terminology in the Training of Aviation Specialists. – N 4 (65): 86-89.
11. *Filonenko S.* Acoustic Emission Model with Thermoactivative Destruction of Composite Material Surface. – N 1 (62): 57-62.
12. *Filonenko S.* The Connection of Acoustic Emission with a Properties Dispersion of Composite Material Machining. – N 3 (64): 105-110.
13. *Gebrin L., Zheleznyak O., Velikodsky Yu., Bandurovich Yu.* Comprehensive Technique for Soil Constitution Estimation Based on Satellite Observation Methods. – N 3 (64): 91-96.
14. *Gorobets O., Gorobets S., Chekhun V., Medviediev O., Berezin O., Garkavenko O.* Fractal Dimension of the Resistant and Sensitive to Doxorubicin Breast Cancer Cells, Exposed in the Magnetic Field. – N 4 (65): 67
15. *Gridyakina A.* Conductivity of Thermotropic Ionic Liquid Crystals. – N 3 (64): 64-68.
16. *Hryshchenko Yu., Skripets A., Tronko V.* Autocorrelation Functions and their Application for Assessing the Quality of Landing Process. – N 2 (63): 27-33.
17. *Ilnytskyi L., Sibruk L., Polishchuk D.* Antenna of Radio Control. – N 4 (65): 28-33.
18. *Kapitanchuk K., Grekov P., Bohdanov M., Nikitina G.* Finite Difference Method for Calculating of the Gas Flow in a Subsonic Gas Ejector. – N 4 (65): 55-60.
19. *Kharchenko V., Vasyliev D., Wang Bo.* Simulation of the Multi-Objective Resolution of Aircraft Conflict. – N 1 (62): 7-11.
20. *Kharchenko V., Chynchenko Yu., Wang Bo* Estimation and Representation of Air Traffic Flows Indices In Terminal Control Areas. – N 3 (64): 15-21.
21. *Kharchenko V., Grekhov A., Ali I.* Influence of Nonlinearity on Aviation Satellite Communication Channel Parameters. – N 4 (65): 12-20.

22. *Kharchenko V., Grehov A., Ali I.* Method for Parameters Estimation of Aviation Satellite Communication Channel. – N 3 (64): 7-14.
23. *Kharchenko V., Kuzmenko N.* Unmanned Aerial Vehicle Flight Data Processing by Spline Approach. – N 1 (62): 12-16.
24. *Kharchenko V., Luppo O., Wang Bo, Argunov G., Vasylyiev D., Raksha K.* Analysis of the Flight Object Concept . – N 2 (63): 7-11.
25. *Klyus I., Vasylyshyn P., Konovaliuk V.* Multipoint Problem for Pseudodifferential Equations. – N 3 (64): 115-119.
26. *Kokhan O., Movchan Ya., Gulevets D.* Identification of Animal-Vehicle Collisions Hotspots on Highway M-18. – N 3 (64): 83-90.
27. *Konin V., Shyshkov F.* European Geostationary Navigation Overlay Service in Ukraine . – N 2 (63): 23-26.
28. *Konovaliuk V., Klyus I.* Approach to Reliability Analysis of the Computer Network Functioning of the Management System. – N 3 (64): 111-114.
29. *Konovalova O.* Analysis of Criteria and Strategies Used for Noise Monitoring in Airports. – N 2 (63): 99-105.
30. *Korshunov N.* Predicting the Flight Path of the Aircraft During Engineless Approach. – N 3 (64): 51-54.
31. *Kozlova T., Rudich O.* Appropriation of Land for State and Municipal Needs in the Eu Countries and in Ukraine. – N 3 (64): 148-154.
32. *Kozlova T., Syvyck D.* Ecological and Organizational Aspects of Rentals of Agricultural Land in Ukraine. – N 2 (63): 73-78.
33. *Kravets M., Kutlakhmedov Yu., Tuleninov K., Salivon A.* Analysis and Modelling of Pollutants Migration (Cs-137) in Cascade of Didorivsky Ponds in Holosiivskyi Park . – N 2 (63): 88-93.
34. *Kryvenko Ju.* Remote Ways to Control Water Depth on the Runway Surfaces. – N 4 (65): 61-66.
35. *Ledovskykh V., Davydenko O.* Electroreduction of Aliphatic Aldehydes on Aluminum Cathode. – N 2 (63): 106-111.
36. *Levchenko S., Ledovskykh V.* Spark Machining for Steel Surfaces to Improve Paint Coatings Quality. – N 4 (65): 72-76.
37. *Madzhd S.* The Assessment of Ground Waters Pollution with Petrochemicals Around Civil Aviation Enterprises. – N 1 (62): 80-84.
38. *Melkumyan V., Maliutenko T., Ostroumov I.* Models of Consideration of Degradation and Regenerative Processes During the Service Technological Systems Design. – N 1 (62): 30-35.
39. *Melnyk V., Melnyk K., Zhyharevych O.* Static Analysis of Source Code Modeled for Java-Programs Containing Applications with Android Security. – N 2 (63): 46-53.
40. *Melnyk V., Zhyharevych O., Melnyk K.* High Production of Java Sockets (HPJS) for Helth Clouds in Science. – N 3 (64): 120-124.
41. *Mukhina M.* Unified Template of Georefferenced Images for Visual Correlation-Extreme Navigation System. – N 4 (65): 42-48
42. *Mukhina M., Yeremeyeva T., Kuzmenko A., Panarin M., Revchuk O., Tkachenko O.* Analysis of Efficiency of Use of Harris And Kanade–Lucas–Tomasi Detectors for Visual Navigation Tasks. – N 3 (64): 126-132.

43. *Nadsadna O.* Gain-Scheduling Optimisation of Pitch Hold Mode Based on Genetic Algorithms. – N 3 (64): 34-39.
44. *Ornatskyi D., Gavrylov I.* Analog Interface for Eddy Current Displacement Sensor. – N 3 (64): 69-75.
45. *Ostroumov I., Mironyuk O., Nychak M.* Local Magnetic Field Data Processing. – N 1 (62): 23-29.
46. *Pazyura N.* Progressive Ideas in Updating Teacher Training in Developed Countries. – N 2 (63): 120-123.
47. *Pershakov V., Krotov R.* Theoretical Principles of Congestion Conditions Research . – N 2 (63): 34-39.
48. *Pettrashchuk O., Vasiukovych O.* Rationale for Linguistic Profile Off Aviation English Language Training Course. – N 2 (63): 112-119.
49. *Petrusenko V.* Estimation of Ecological Human Health Risks by Influence of Non-Threshold Toxicants. – N 1 (62): 89-93.
50. *Prusov D.* The Methodology for the Consequences Prediction of Engineering Preparation for Transformation the Urban Territory in Dense Building and Complex Geology Conditions. – N 2 (63): 40-45.
51. *Prystavka Ph., Rogatyuk A.* The Mathematical Foundations of Foreign Object Recognition in the Video from Unmanned Aircraft. – N 3 (64): 133-139.
52. *Sereda V.* Matching of Drive And Variator Characteristics of Ground Pneumatic Catapult. – N 3 (64): 76-82.
53. *Shamanskyi S.* Credibility Guaranteeing of Meters Readouts. – N 1 (62): 53-56.
54. *Shamanskyi S., Boichenko S.* Airline Enterprises' Wastewater Measuring with a Differential Pressure Water Meter with a Standard Metering Nozzle. – N 3 (64): 140-147.
55. *Shmelova T., Lazorenko V., Bilko A.* Estimation of Pre-Simulating Training Tasks Complexity. – N 1 (62): 17-22.
56. *Shmelova T., Sikirda Yu., Assaul A., Stasiuk O.* Structural Analysis of Management Environment of Aviation Enterprise from the Point of Systematic Approach . – N 2 (63): 12-22
57. *Shtyka O., Bilyk T., Andrushchenko O.* Allelopathical Activity Assessment as the Important Stage of Phytoremediation Technology Development . – N 2 (63): 79-87.
58. *Shuda I., Odarchenko N.* Workbook as a Tool of Reproducing Method for Teaching Mathematics at the University Level. – N 3 (64): 155-160.
59. *Synylo K.* Aircraft Emission Estimation under Operational Conditions in the Airport Area. – N 1 (62): 70-79.
60. *Talakh S., Dubik O.* Computational Investigation of Composed Multilayered Half-Space Strength under Pavement. – N 3 (64): 97-104.
61. *Tolbatov Ye.* Mathematical Modeling of Dynamics of Curved Pipes Conveying Internal Masses of Nonhomogeneous Liquid. – N 1 (62): 42-52.
62. *Tolbatov Ye.* Mathematical Modeling of Self-Excited Vibration of Pipes Containing Mobile Boiling Fluid Clots. – N 2 (63): 54-64.
63. *Tronko V., Romanenko V., Klochan A.* Application Polarimetry for Measurement of Relief. – N 3 (64): 60-63.
64. *Vavilenkova A.* A Self-System to Identify Conceptual Relationships in a Text. – N 1 (62): 63-69.

65. *Wang Bo* Logistic Approach to Interaction between an Airline and a Fuel Supplier. – N 4 (65): 83-85.
66. *Wang Bo, Kharchenko V., Chynchenko Yu.* Estimation of Effect of Uncertainty Factors on Safety of Air Traffic Flows in Terminal Control Areas. – N 4 (65): 21-27.
67. *Wang Bo, Kharchenko V., Vasyliev D.* Selection of Aircraft Conflict-Free Trajectories Using Different Convolutions of Vector Optimality Criterion. – N 4 (65): 7-11.
68. *Zaionchkovskyi G., Barilyuk Eu., Golovko Yu.* Ways to Improve the Reliability and Operating Life of Small-Size Electromagnetic Valve. – N 1 (62): 36-41.
69. *Zaionchkovskyi H., Butko V., Tarasenko T.* Pressure Oscillations in Transient Processes of Hydraulic Systems with Variable Displacement Pumps. – N 4 (65): 49-54.
70. *Zaporozhets O., Synylo K.* Modelling and Measurement of Aircraft Engine Emissions inside the Airport Area. – N 2 (63): 65-72.
71. *Zheleznyi L.* Thermo-oxidative stability of high-temperature greases. – N 4 (65): 77-82.