Beisenbi
Mamyrbek Aukebayuly
Professor

Contact information:
beisenbi@mail.ru
Tel: 8(7172)709500(34-601)

Professional experience:
Total work experience - 50 years, including the industry experience - 0 year

from 2015 – L. N. Gumilyov Eurasian National University, Professor of System analysis and control department;
2002-2015 – L.N. Gumilyov Eurasian National University, Head of System analysis and control department;
1992-2002– Institute of Informatics Issues and Control, Head of laboratory;
1981-1992- Senior Lecturer of Technical Cybernetics Department, Deputy Dean for Academic Affairs (Faculty of Automation and Control Systems, V.I.Lenin KazPTI)

Awards:
2015 Letter of thanks of the Rector of the L.N. Gumilyov Eurasian National University;
2010 For merits in development of science of the Republic of Kazakhstan (chest sign);
2007 laureateship "The best Lecturer of university 2007"

Scientifie degree and rank, scientifie school:
Doctor of Technical Sciences, 1999,
MES RK Institute of Informatics Issues and Control, Almaty
Specialty "Control in Engineering Systems"
Professor, 2006

Scientific interests: Modern control theory, robust system of automatic control, catastrophe theory, deterministic chaos in economic systems

Research Grants:
MES RK. Fundamental research for 2020-2022
"Information technology research and control of deterministic chaotic processes"(Project Manager);
MES RK. Fundamental research on the 2015-2017 years:
«Research of short-term oscillations and fluctuations and control of deterministic chaos in the economic system » (Project Manager);

Delivered courses:
Methods for solving problems of synthesis of control systems (D).

Publications (selected):
1.Increasing the robust stability potential of a spacecraft control system (KLA) (monograph), Astana: DR-Project LLP, 2015. - 204c.
2.The study of robust stability of automatic control systems by the method of functions A.M. Lyapunova (monograph), Astana: DR-Project LLP, 2015. - 232c.
3.Research of the Robust Stability of Control Systems Using a New Approach to the Lyapunov Functions Construction // Modern Applied Science; Vol. 9, No. 11; 2015 ISSN 1913-1844 E-ISSN 1913-1852 Published by Canadian Center of Science and Education
4.Beisenbi M., Mukataev N The second Lyapunov function method in construction of control systems with the increased potential of robust stability in the class of catastrophe "Hyperbolic umbilic". Applied mechanics and materials. V.799-800. 2015. P.1132-1136.
5.Beisenbi M., Uskenbayeva G., Kaliyeva S. Construction and investigation aircraft control system in a class of one-parametric structurally stable mappings using Lyapunov functions. Electronics, communications and networks. Published by Taylor&Francis Group, 2015. P.683-689.
6.Beisenbi M.A. Suleimenova S.T., Nikulin V.V., Satybaldina D.K. Construction of Control Systems with High Potential of Robust Stability in the Case of Catastrophe Elliptical Umbilic. International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 17 (2017) pp. 6954-6961.
7. Beisenby M.Ә., Satpayeva A.K., Tileuғali A.M. Study in the electric power industry of chaotic processes. Bulletin of the ENU named after L.N. Gumilyov, II part, No4 (119). - Astana: ENU, 2017.S.50-56
8.Beisenby M.A., Suleimenova S.T., Taurbekova A.A. Investigation of robust stability of systems with m inputs and n outputs in the disaster class "elliptical omblica". Bulletin of the National Academy of Sciences of the Republic of Kazakhstan, No. 5. ISSN 2518-1467 (Online), ISSN 1991-3494 (Print) - Almaty, 2017. S.142-147.
9. Beisenbi M.A., Kisikova N.M., Shuteyeva G.S. Generation Mechanism of Short-term variations and Fluctuations in the Goods Market. International Journal of Applied Engineering Research,V(12), №10, pp.2232-2238, 2017.
10. M.A. Beisenbi, G.S.Shuteyeva, A.U.Sadvakassova. Discrete model of system research of economic system's complicated behaviour-

International Journal of Applied Engineering Research, – India: 2017. ISSN 0973-4562. -№24. –Volume 12. pp. 15007-15010.
11. Beisenby M.A., Suleimenova S.T., Sarbasova A.B. Function Method A.M. Lyapunov control systems with increased robust stability potential. “Intelligent information and communication technologies is a means of implementing the third industrial revolution in the light of the Kazakhstan-2050 strategy,” the Vth International Scientific and Practical Conference. - Astana: 2018.-S.427-430.
12. M.A. Beisenbi, Zh.O. Basheyeva. Solution of m – inputs and n-outputs control systems synthesis problem using the Lyapunov gradient-speed vector function. Australian Journal of Wireless Technologies, Mobility and Security Issue 2019.
13. . M.A. Beisenbi, Kaliyeva S.A., Markov A.V. THE SYNTHESIS OF THE MIMO SYSTEM BY THE STATE VECTOR OF THE OBJECT by the gradient-velocity method of Lyapunov vector-valued function. 7th International conference Science and society – Methods and problems of practical application 15th February 2019.- Vancouver, Canada, 2019.- c.105-114.
14. M.A. Beisenbi, Kaliyeva S.A. Synthesis of the control systems by the state of an object with single output by a gradientvelocity method of A.M. Lyapunov vector functions. International Journal of Civil Engineering and Technology (IJCIET)
Volume 9, Issue 10, October 2018, pp. 2080–2086, Article ID: IJCIET_09_10_205.
15. M.A. Beisenbi, Ainur K. Satpayeva.,Vladimir V. Nikulin. The Research of the Determined Chaotic Mode of Electrotechnical Systems with the Generating Sources by Velocity Gradient Method of Vector Lyapunov Functions2019 International Siberian Conference on Control and Communications (SIBCON). Proceedings. -
Tomsk: Tomsk State University of Control Systems and Radioelectronics (TUSUR). Russia,Tomsk, April 18–20, 2019.
16. Beisenbi, M., Kaliyeva, S., Sagymbay, A., Abdugulova, Z., Ostayeva, A. A new approach for synthesis of the control system by gradient-velocity method of Lyapunov vector functions. Journal of Theoretical and Applied Information Technology, 2021, 99(2), стр. 381–389
17. М. А. Бейсенби, А. А. Маймурынова. Решение задачи синтеза основного контура системы адаптивного управления неустойчивыми и детерминированными хаотическими процессами с м-входами и n-выходами в классе катастроф «гиперболическая омбилика». Вестник Национальной инженерной академии Республики Казахстан. 2022. № 3 (85). С. 99-109.