List of Monographs and Books by A.A. Martynyuk

I. *Technical Stability in Dynamics.* Tekhnika, Kiev, 1973. [Russian]

II. *Motion Stability of Composite Systems.* Naukova Dumka, Kiev, 1975. [Russian]

III. *Integral Inequalities and Stability of Motion.* Naukova Dumka, Kiev, 1979. (with R. Gutowski). [Russian]

IV. *Dynamics and Motion Stability of Wheeled Transporting Vehicles.* Tekhnika, Kiev, 1981. (with L.G. Lobas and N.V. Nikitina). [Russian]

V. *Practical Stability of Motion.* Naukova Dumka, Kiev, 1983. [Russian]

VI. *Large Scale Systems Stability under Structural and Singular Perturbations.* Naukova Dumka, Kiev, 1984. (with Ly.T. Grujić and M. Ribbens-Pavella). [Russian]

VII. *Large-Scale Systems Stability under Structural and Singular Perturbations.* Springer-Verlag, Berlin, 1987. (with Ly.T. Grujić and M. Ribbens-Pavella).

VIII. *Stability Analysis of Nonlinear Systems.* Marcel Dekker, New York, 1989. (with V. Lakshmikantham and S. Leela).

IX. *Stability of Motion: Method of Integral Inequalities.* Naukova Dumka, Kiev, 1989. (with V. Lakshmikantham and S. Leela). [Russian]

X. *Practical Stability of Nonlinear Systems.* World Scientific, Singapore, 1990. (with V. Lakshmikantham and S. Leela).

XI. *Stability of Motion: Method of Limiting Equations.* Naukova Dumka, Kiev, 1990. (with J. Kato and A.A. Shestakov). [Russian]

XII. *Stability of Motion: Method of Comparison.* Naukova Dumka, Kiev, 1991. (with V. Lakshmikantham and S. Leela). [Russian]

XIII. *Some Problems of Mechanics of Nonautonomous Systems.* Mathematical Institute of SANU, Beograd–Kiev, 1992. (with V.A. Vujicic). [Russian]

XIV. *Stability Analysis: Nonlinear Mechanics Equations.* Gordon and Breach Science Publishers, Amsterdam, 1995.

XV. *Stability of Motion of Nonautonomous Systems: Method of Limiting Equations.* Gordon and Breach Science Publishers, Amsterdam, 1996. (with J. Kato and A.A. Shestakov).

XVI. *Advances in Nonlinear Dynamics.* Gordon and Breach Science Publishers, Amsterdam, 1997. (Eds.: with S. Sivasundaram).

XVII. *Stability by Liapunov's Matrix Function Method with Applications.* Marcel Dekker, New York, 1998.

XVIII. *Theory of Practical Stability with Applications.* Harbin Institute of Technology, Harbin, 1999. (with Sun Zhen qi). [Chinese]

XIX. *Qualitative Methods in Nonlinear Dynamics: Novel Approaches to Liapunov's Matrix Function.* Marcel Dekker, New York, 2002.

XX. *Stability and Stabilization of Nonlinear Systems with Random Structures.* Taylor & Francis, London and New York, 2002. (with I.Ya. Kats).

XXI. *Advances in Stability Theory at the End of the 20th Century.* Taylor & Francis, London and New York, 2003. (Ed.: A.A. Martynyuk).

XXII. *Theory of Practical Stability with Applications.* Second Edition, Revised and Expanded. Chinese Academy of Sciences Publishing Company, Beijing, 2003. (with Sun Zhen qi). [Chinese]

XXIII. *Qualitative Analysis of Nonlinear Systems with Small Parameter.* Chinese Academy of Sciences Publishing Company, Beijing, 2006 (with Sun Zhen qi). [Chinese]

XXIV. *Stability of Motion: The Role of Multicomponent Liapunov's Functions*, Cambridge Scientific Publishers, London, 2007.

XXV Advances in chaotic dynamics and applications. - Eds.: C. Crus-Hernndes and A.A. Martynyuk, Cambridge: Cambridge Scientific Publishers, 2009.

XXVI. *Uncertain Dynamical Systems: Stability and Motion Control* Boca Raton: CRC Press Taylor & Francis Group, 2012. (with Yu.A.Martynyuk-Chernienko)

XXVII. *Uncertain Dynamical Systems: Stability and Motion Control*Beijing: Science Press, 2012. Translation from Russian, 2012. (with Yu.A.Martynyuk-Chernienko and Sun, Zhen Qi). [Chinese]

XXVIII. *Stability theory of solution of dynamic equations on time scales*, Kiev: Feniks, 2012.[Russian]

XXIX. *Weakly connected nonlinear systems: Boundeness and stability of motion*, Boca Raton: Taylor & Francis Group, 2013. (with L.N.Chernetskaya and V.A.Martynyuk).

XXX. Stability Analysis of Nonlinear Systems under Structural Perturbations. Cambridge: Cambridge Scientific Publishers, 2014. (with V.G.Miladzhanov)

XXXI. Stability Analysis of Nonlinear Systems. Second Edition. Berlin: Birhouser, 2015. (with V.Lakshmikantham and S.Leela)

XXXII. Stability Theory for Dynamic Equations on Time Scales. Berlin: Birkhouser, 2016.

XXXIII. Qualitative Analysis of Set-Valued Differential Equations, Cham: Springer Nature Switzerland, 2019. — 198 p.

XXXIV. Dynamics and Stability of Motion of Shock and Hybrid Systems, (coauthors B. Radziszewski and A. Szadkowski), Warsaw: SCIENDO, 2019. — 193 p.

XXXV. Stability: Elements of the Theory and Applications with Examples, (coauthors B. Radziszewski and A. Szadkowski), Warsaw: SCIENDO, 2020. — 328 p.

XXXVI. Advances in Stability and Control Theory for Uncertain Dynamical Systems (Eds. with C.Cruz-Hernandez, and A.G.Mazko) — – Cambridge: Cambridge Scientific Publishers, 2021. — 340 p. ISBN: 978-1-908106-73-5.

XXXVII. Mathematical Modelling: Selected Objects and Processes, Singapore: World Scientific, 2025. — 384 p. (with B.Radziszewski).