

THE SEMINAR “QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS AND CONTROL THEORY” – 60 YEARS

June 10, 2013

Books by Seminar members: a selection

1) V. Dragan, A. Halanay, Stabilization of linear systems- Birkhauser, Boston, 1999.

2) V. Dragan, T. Morozan and A.M. Stoica, Mathematical methods in robust control of linear stochastic systems, Mathematical Concepts and Methods in Science and Engineering, Series Editor: Angelo Miele, Volume 50, Springer (2006).

3) V. Dragan, T. Morozan and A.M. Stoica, Mathematical methods in robust control of discrete-time linear stochastic systems, Springer New York, Dordrecht, Heidelberg, London, 2010.

4) A. Halanay, Differential Equations : Stability, Oscillations, Time Lag, Academic Press, 1966. (the Japanese translation, 1969).

5) A. Halanay, D. Wexler, Qualitative theory of impulse systems (Russian), Nauka, Moscow (1973).

6) A.Halanay, V. Rasvan, Applications of Liapunov Methods in Stability, Kluwer Academic Publishers, Dordrecht, 1993.

7) A.Halanay, V. Ionescu, Time Varying Discrete Linear Systems, Birkhauser, Basel, 1994.

8) A. Halanay, J. Samuel, Differential Equations, Discrete Systems and Control, Kluwer Academic Publishers, Dordrecht, 1997.

9) A. Halanay, V. Rasvan, Stability and Stable Oscillations in Discrete Time Systems, Gordon and Breach Science Publishers, 2000.

- 10) Mihail Popescu, Dumitru Arsenie, Paul Vlase : Applied Hydraulic Transients for Hydropower Plants and Pumping Stations, Balkema Publishers, Lisse, Abingdon, Exton, Tokyo (2003).
- 11) V.M. Popov Hyperstability of Control Systems, Springer-Verlag, Berlin (1973).
- 12) Vl. Rasvan, Absolute stability of time lag control systems (Russian), Nauka, Leningrad, (1983).
- 13) Vl. Rasvan, R. Stefan, Systèmes non linéaires, théorie et applications, Hermes Science & Lavoisier, Paris/London, 2007.
- 14) V. Ionescu, A.-M. Stoica. Robust stabilisation and problems, Kluwer Academic Publishers, 1999.
- 15) D. Tiba, Optimal control of nonsmooth distributed parameter systems, Lecture Notes in Mathematics 1459, Springer Verlag, Berlin (1990).
- 16) D. Tiba, P. Neittaanmaki, Optimal control of nonlinear parabolic systems. Theory, algorithms and applications, Marcel Dekker, New York (1994).
- 17) D. Tiba, P. Neittaanmaki, J. Sprekels, Optimization of elliptic systems. Theory and applications, Springer Monographs in Mathematics, Springer, New York (2006).
- 18) C. Varsan, Applications of Lie Algebras to Hyperbolic and Stochastic Differential Equations, Kluwer Academic Publishers (1999).