

WEST UNIVERSITY OF TIMIȘOARA
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE
DEPARTMENT OF MATHEMATICS
Associate Professor **Adina Luminița SASU**

I. Papers published in ISI classified journals

- [1] A. L. Sasu, Pairs of function spaces and exponential dichotomy on the real line, *Advances in Difference Equations* (2010), Article ID 347670, 115.
- [2] A. L. Sasu, B. Sasu, Integral equations in the study of the asymptotic behavior of skew-product flows, *Asymptotic Analysis*, DOI 10.3233/ASY-2010-0984, in press
- [3] A. L. Sasu, B. Sasu, Integral equations, dichotomy of evolution families on the half-line and applications, *Integral Equations and Operator Theory*, 66 (2010), 113-140.
- [4] A. L. Sasu, On exact controllability of variational discrete systems, *Applied Mathematics Letters*, 23 (2010), 101-104.
- [5] A. L. Sasu, On exponential expansiveness of linear skew-product flows, *Dynamics of Discrete Continuous and Impulsive Systems, Series A: Mathematical Analysis*, 16 (2009), 397-412.
- [6] A. L. Sasu, B. Sasu, Exponential trichotomy for variational difference equations, *Journal of Difference Equations and Applications*, 15 (2009), 693-718.
- [7] A. L. Sasu, Exponential dichotomy and dichotomy radius for difference equations, *Journal of Mathematical Analysis and Applications*, 344 (2008), 906-920.
- [8] A. L. Sasu, B. Sasu, On the initial unstable subspace in the study of exponential dichotomy on the half-line, *Analele Univ. Al. I. Cuza, Iași, Seria Matematică*, 65 (2008), 279–292.
- [9] A. L. Sasu, Integral equations on function spaces and dichotomy on the real line, *Integral Equations and Operator Theory*, 58 (2007), 133-152.
- [10] A. L. Sasu, Stabilizability and controllability for systems of difference equations, *Journal of Difference Equations and Applications*, 12 (2006), 821-826.
- [11] A. L. Sasu, New criteria for exponential stability of variational difference equations, *Applied Mathematics Letters*, 19 (2006), 1090–1094.
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- [13] A. L. Sasu, B. Sasu, Discrete admissibility, l^p -spaces and exponential dichotomy on the real line, *Dynamics of Continuous, Discrete and Impulsive Systems*, 13 (2006), 551-561.
- [14] A. L. Sasu, B. Sasu, Exponential dichotomy on the real line and admissibility of function spaces, *Integral Equations and Operator Theory*, 54 (2006), 113-130.
- [15] B. Sasu, A. L. Sasu, Input-output conditions for the asymptotic behavior of linear skew-product flows and applications, *Communications on Pure and Applied Analysis*, 5 (2006), 551-569.
- [16] B. Sasu, A. L. Sasu, Exponential trichotomy and p -admissibility for evolution families on the real line, *Mathematische Zeitschrift*, 253 (2006), 515-536.
- [17] A. L. Sasu, B. Sasu, Exponential dichotomy and admissibility for evolution families on the real line, *Dynamics of Continuous, Discrete and Impulsive Systems*, 13 (2006), 1-26.
- [18] B. Sasu, A. L. Sasu, Exponential dichotomy and (ℓ^p, ℓ^q) -admissibility on the half-line, *Journal of Mathematical Analysis and Applications*, 316 (2006), 397-408.
- [19] M. Megan, A. L. Sasu, B. Sasu, Theorems of Perron type for uniform exponential stability of linear skew-product semiflows, *Dynamics of Continuous, Discrete and Impulsive Systems*, 12 (2005), 23-43.
- [20] A. L. Sasu, B. Sasu, A lower bound for the stability radius of time-varying systems, *Proceedings of the American Mathematical Society*, 132 (2004), 3653-3659.
- [21] A. L. Sasu, B. Sasu, Exponential stability for linear skew-product flows, *Bulletin des Sciences Mathematiques*, 128 (2004), 727-738.
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- [23] B. Sasu, A. L. Sasu, Stability and stabilizability for linear systems of difference equations, *Journal of Difference Equations and Applications*, 10 (2004), 1085-1105.
- [24] M. Megan, A. L. Sasu, B. Sasu, Perron conditions for pointwise and global exponential dichotomy of linear skew-product semiflows, *Integral Equations and Operator Theory*, 50 (2004), 489-504.
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II. Papers in international journals published abroad

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- [37] A. L. Sasu, Exponential instability and complete admissibility for semigroups in Banach spaces, *Rendiconti del Seminario Matematico dell'Universita e del Politecnico di Torino*, 63 (2005), 141-151.
- [38] M. Megan, A. L. Sasu, B. Sasu, Uniform exponential dichotomy and admissibility for linear skew-product semiflows, *Operator Theory: Advances and Applications*, 153 (2005), 185-195.

- [39] A. L. Sasu, Discrete methods and exponential dichotomy of semigroups, *Acta Mathematica Universitatis Comenianae*, 73 (2004), 197-205.
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III. Papers published in Romanian journals

- [48] A. L. Sasu, Input-Output Conditions for Uniform Dichotomy of Difference Equations, *Analele Univ. Timișoara, Seria Matem.-Inform.*, 47 (2009), fasc. 3, 167–175.
- [49] A. L. Sasu, B. Sasu, Input-output conditions for exponential trichotomy of dynamical systems, *Revue d'Analyse Numerique et de Theorie de l'Approximation*, 37 (2008), 209-215.
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- [57] M. Megan, A. L. Sasu, B. Sasu, On uniform exponential stability of C_0 -semigroups in Banach spaces, *Analele Univ. Timișoara, Seria Matem.-Inform.*, 37 (1999), 95-104.

IV. Papers published in proceedings of conferences

- [58] B. Sasu, A. L. Sasu, Input-output conditions for expansiveness of dynamical systems, *Proceedings of The International Conference on Mathematical Problems in Engineering, Aerospace and Sciences: ICNPAA 2008, Chapter 22, Cambridge University Press (2009)*.
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