

# ON DICHOTOMY WITH DIFFERENTIABLE GROWTH RATES FOR SKEW-EVOLUTION COCYCLES IN BANACH SPACES\*

M. Megan<sup>†</sup>    A. Găină<sup>‡</sup>    R. Boruga (Toma)<sup>§</sup>

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Dedicated to Dr. Dan Tiba on the occasion of his 70<sup>th</sup> anniversary

## Abstract

The paper considers a general concept of dichotomy in Banach spaces for skew-evolution cocycles. As particular cases the properties of exponential dichotomy, polynomial dichotomy and logarithmic dichotomy are obtained. Characterizations of these concepts are presented.

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**keywords:** Skew-evolution cocycle, h-dichotomy, exponential dichotomy, polynomial dichotomy, logarithmic dichotomy.

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<sup>†</sup>[mihail.megan@gmail.com](mailto:mihail.megan@gmail.com) Department of Mathematics, Faculty of Mathematics and Computer Science, West University of Timișoara, V. Pârvan Blv. No. 4, 300223 Timișoara, Romania

<sup>‡</sup>[ariana.gaina@gmail.com](mailto:ariana.gaina@gmail.com) Department of Mathematics, Faculty of Mathematics and Computer Science, West University of Timișoara, V. Pârvan Blv. No. 4, 300223 Timișoara, Romania

<sup>§</sup>[rovanaboruga@gmail.com](mailto:rovanaboruga@gmail.com) Department of Mathematics, Faculty of Mathematics and Computer Science, West University of Timișoara, V. Pârvan Blv. No. 4, 300223 Timișoara, Romania