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*Dedicated to Professor Ioan A. RUS on the occasion of his 70<sup>th</sup> anniversary*

## **On asymptotic behaviors for linear skew-evolution semiflows in Banach spaces**

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**ABSTRACT.** In this paper we define the notion of linear skew-evolution semiflow in Banach spaces. We give several characterizations of some asymptotic behaviors, as stability, instability and dichotomy. The obtained results are generalizations in the nonuniform case of some well-known results on asymptotic behaviors of linear differential equations.

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