

**Buşe, Constantin**

**A characterization of exponential stability for periodic evolution families in terms of lower semicontinuous functionals.** (English) [Zbl 1089.47031](#)

Electron. J. Qual. Theory Differ. Equ. 2003, Suppl., Paper No. 5, 7 p. (2003).

In the present paper, the author investigates the exponential stability of 1-periodic evolution families in a Banach space. He uses lower semicontinuous functionals to give a characterisation of exponential stability and extends *J. van Neerven's* result [Integral Equations Oper. Theory, 4, 482–492 (2002; [Zbl 1040.47033](#))] to 1-periodic evolution families of bounded linear operators.

Reviewer: Gen Qi Xu (Tianjin)

**MSC:**

[47D03](#) Groups and semigroups of linear operators

[47A10](#) Spectrum, resolvent

**Keywords:**

one-periodic evolution family; exponential stability; bounded linear operator

**Full Text:** [EMIS](#)