

Hinrichsen, D.; Pritchard, A. J.

Robust stability of linear evolution operators on Banach spaces. (English) Zbl 0817.93055
SIAM J. Control Optimization 32, No. 6, 1503-1541 (1994).

This paper introduces a stability radius for a wide class of linear infinite-dimensional time-varying systems under structured time-varying perturbations. A framework is presented that allows the same degree of unboundedness in the perturbations as in the generator of the nominal model.

Reviewer: [A.V.Balakrishnan \(Los Angeles\)](#)

MSC:

[93D09](#) Robust stability
[93C73](#) Perturbations in control/observation systems
[93C25](#) Control/observation systems in abstract spaces

Cited in **30** Documents

Keywords:

[time-dependent](#)

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