

REGULARITY CONDITIONS FOR MARKOV SEMIGROUPS ON ABSTRACT L^1 -SPACES

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We study various conditions that ensure mean ergodicity, weak and strong almost periodicity, stochastic stability, and some other kinds of asymptotic regularity for one-parameter Markov semigroups on abstract L^1 -spaces.

Key words and phrases: Markov semigroup, AL-space, mean ergodicity, stochastic stability.

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