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ASYMPTOTICAL PROPERTIES OF THE
RENEWAL MATRIX FOR SOME CLASS OF
INFINITE-DIMENSIONAL RENEWAL EQUATIONS

Abstract

Conditions on the tolimit matrix of measures and on the limit matrix of full masses of measures are found. Existence of normalized multiplier ρ^ε such, that on a time scale t/ρ^ε the asymptotic of difference of the renewal matrix (associated with family of dependency upon a small parameter of matrix-valued measures with the block-resoluble infinite-dimensional limit matrix of full masses of measures) on the finite interval is nontrivial is proved.