

[Shurenkov, V. M.](#)

On the Markov renewal theory. (Russian) Zbl 0544.60082
[Teor. Veroyatn. Primen. 29, No. 2, 248-263 \(1984\).](#)

Let $M(x, dy, dt)$ be a nonnegative bounded kernel defined on $(E \otimes [0, \infty), \mathcal{A} \otimes \mathcal{B})$ where (E, \mathcal{A}) is a measurable space with σ -algebra \mathcal{A} and \mathcal{B} is Borel σ -algebra on $[0, \infty)$. The analogues of Frobenius and Smith key renewal theorems for convolutions of $M(\cdot)$ are proved.

Reviewer: [M.Morozov](#)

MSC:

[60K15](#) Markov renewal processes, semi-Markov processes

Cited in **2** Reviews
Cited in **9** Documents

Keywords:

[Frobenius theorem](#); [key renewal theorems for convolutions](#)