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Random walks on finite groups with conjugate class probability: algebraic approach. (Russian. English summary) [Zbl 1399.60084](#)

Visn. Khark. Univ., Ser. Mat. Prykl. Mat. Mekh. 86, 4-9 (2017).

Summary: Under the well-known conditions an n -fold convolution of probability on finite group G converges to the uniform probability on G ($n \rightarrow \infty$). In a lot of works the rate of convergence are estimated. The aim of this article is to obtain estimates of the rate for the probabilities that are constant on classes of conjugate elements of finite groups.

MSC:

60G50 Sums of independent random variables; random walks

60B15 Probability measures on groups or semigroups, Fourier transforms, factorization

60B10 Convergence of probability measures

20P05 Probabilistic methods in group theory

Keywords:

[conjugate probability](#); [finite group](#); [convergence](#)

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