

INFINITE SEQUENCES WITH SIGN-SYMMETRIC LIOUVILLE
DISTRIBUTIONS

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Abstract: We define and study the sign-symmetric Dirichlet-type and Liouville-type distributions on n -dimensional space. We give a complete stochastic representation for infinite sequences of random variables $\{X_n : n \in N\}$ with the property that for every $n \in N$ the random vector (X_1, \dots, X_n) has a sign-symmetric Liouville-type distribution.

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