

# Sampling the Lindelöf hypothesis for Dirichlet L-functions by random walks

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*Abstract:* Recently, Lifshits & Weber introduced a probabilistic model for the Riemann zeta-function on the critical line; more precisely, they proved the almost sure asymptotics for the discrete moment  $\sum_{m \leq M} \zeta(1/2 + iC_m)$  as  $M \rightarrow \infty$ , where  $C_m$  is the Cauchy random walk. We extend part of their results to Dirichlet L-functions to residue class characters and discuss their almost sure behaviour in the context of the generalized Lindelöf hypothesis.