

Sampling the Riemann Hypothesis for the logarithmic derivative of Riemann zeta-functions

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We study the behaviour of the the logarithmic derivative of Riemann zeta-function $\frac{\zeta'}{\zeta}(\frac{1}{2} + it)$, when t is sampled by an ergodic transformation by $Tx := \frac{1}{2}(x - \frac{1}{x})$ for $x \neq 0$.