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On stochastic stability of nonuniformly expanding interval maps

Weixiao Shen

(Submitted on 13 Jul 2011 (v1), last revised 17 Dec 2012 (this version, v3))

We study the expanding properties of random perturbations of regular interval maps satisfying the summability condition of exponent one. Under very general conditions on the interval maps and perturbation types, we prove strong stochastic stability.

Comments: minor corrections

Subjects: **Dynamical Systems (math.DS)** Cite as: arXiv:1107.2537 [math.DS]

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