
Random dynamical systems generated by stochastic lattices

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Abstract

The aims of this talk is to report on recent advances in the topic of random dynamical systems generated by stochastic lattice differential systems. We will focus on problems containing additive and multiplicative noise and will emphasize the differences when considering a finite number of noisy terms at each node (essentially the same noise in each node) or a different noisy perturbation at each one. We will show how these systems generate a random dynamical system possessing a random attractor.

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