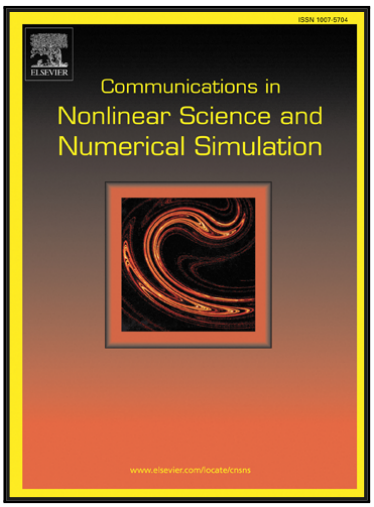

Most Probable Dynamics of Some Nonlinear Systems under Noisy Fluctuations

Zhuan Cheng, Jinqiao Duan, Liang Wang

PII: S1007-5704(15)00217-8
DOI: 10.1016/j.cnsns.2015.06.016
Reference: CNSNS 3586

To appear in: *Communications in Nonlinear Science and Numerical Simulation*

Received date: 28 January 2015
Revised date: 22 May 2015
Accepted date: 16 June 2015

Please cite this article as: Zhuan Cheng, Jinqiao Duan, Liang Wang, Most Probable Dynamics of Some Nonlinear Systems under Noisy Fluctuations, *Communications in Nonlinear Science and Numerical Simulation* (2015), doi: 10.1016/j.cnsns.2015.06.016

Highlights

- Most probable phase portraits are investigated for low dimensional stochastic dynamical systems.
- Certain effects of noise on some prototypical systems are demonstrated via most probable phase portraits.