

1125-92-1873

Mahbubur Rahman* (mrahman@unf.edu), Mathematics & Statistics Department, University of North Florida, Jacksonville, FL 32224. *Wave propagation in a noisy system near saddle node on limit cycle bifurcation*. Preliminary report.

We develop and apply a method of stochastic approximation to a canonical model arises in a circular process in mathematical neuroscience that has a parametric noise. We also investigate the role of noise in the circular process. (Received September 19, 2016)