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M M Rahman* (mrahman@unf.edu), 1 UNF DRIVE, DEPARTMENT OF MATH & STATS,
UNIV. OF NORTH FLORIDA, JACKSONVILLE, FL 32216. *Wave propagation in noisy systems
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 22, 2015)