1086-93-1364   **Gangaram S Ladde*** (`gladde@usf.edu`), Department of Mathematics and Statistics, University of South Florida, 4202 East Fowler Avenue, CMC 342, Tampa, FL 33620-5700. *Network Dynamic Process under Stochastic Perturbations.* Preliminary report.

By developing a network dynamic model under random perturbations, the qualitative and quantitative properties are investigated. A single node network dynamic model is presented to illustrate the role and the scope of study. (Received September 21, 2012)