Andrzej Korzeniowski* (korzeniowski@uta.edu), Department of Mathematics, Box 19408, 411 S. Nedderman Drive, 478 Pickard Hall, Arlington, TX 76019. On Random Network Dynamics. Preliminary report.

We study finite networks in which each node follows its own internal random dynamics subjected to external random perturbations and a predefined node interaction structure. Stability and other steady-state properties are established and illustrated by examples. (Received September 15, 2008)