

1089-37-379

**Anushaya Mohapatra** and **William Ott\*** ([ott@math.uh.edu](mailto:ott@math.uh.edu)). *Memory loss for nonequilibrium open dynamical systems.*

We discuss recent results on memory loss (an analog of decay of correlations) for nonequilibrium dynamical systems. By *nonequilibrium* we mean that the dynamical model itself varies in time. Applications include dynamical processes that evolve in time-varying environments and dynamical systems with slowly varying parameters. Unlike the setting of random dynamical systems, we do not assume that the dynamical model evolves in accord with a statistical distribution. (Received February 19, 2013)