

* Electronic Address: nikitabegun88@gmail.com

¹ Free University of Berlin

Dynamics of discrete time systems with the hysteresis stop operator

Nikita Begun^{1*}

Joint result with M. Arnold, P. Gurevich, E. Kwame, H. Lamba, D. Rachinskii. We consider a piecewise linear two-dimensional dynamical system that couples a linear equation with the so-called stop operator. Global dynamics and bifurcations of this system are studied depending on two parameters. The system is motivated by general-equilibrium macroeconomic models with sticky information.