Non-zero Lyapunov exponents in families of dynamical systems

Michael Shub¹

1 Department of Mathematics, University of Toronto, 40 St. George Street, Toronto, ON M5S 2E4 (Canada).

Abstract

We study several families of low dimensional dynamical systems from the point of view of finding some family members with non-zero exponents. Two of the families studied are joint work with Carles Simó and coauthors. We join in celebrating Carles' 60th Birthday and wishing him many more healthy, happy and productive years.