

Boris Hasselblatt (Tufts). *The miracle of Anosov Baire rigidity nonuniform hyperbolicity everywhere implies uniform hyperbolicity.*

Abstract. We provide a general mechanism for obtaining uniform information from pointwise data even when the pertinent quantities are highly discontinuous. Some of the applications are almost too good to be believed: If a diffeomorphism of a compact Riemannian manifold has nonzero Lyapunov exponents everywhere then the nonwandering set is *uniformly* hyperbolic. If, in addition, there are expanding and contracting invariant cone families, *which need not be continuous*, then the diffeomorphism is an Anosov diffeomorphism, i.e., the entire manifold is uniformly hyperbolic. This is a joint work with Ya. Pesin and J. Schmeling.