On the Continuity of Fiber Lyapunov Exponents in Skew Product Systems

Coautor(es)

Karina Marin, Mauricio Poletti

Resumo

We study the relationship between fiber entropy and fiber Lyapunov exponents in skew product systems with two-dimensional fibers. Extending the work of Buzzi-Crovisier-Sarig on surface diffeomorphisms, we show that for smooth skew products, continuity of fiber entropy implies continuity of the fiber Lyapunov exponents. This is joint work with Marin and Poletti.