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Todd Fisher* (tfisher@math.byu.edu) and **Jerome Buzzi**. *Entropy variation for smooth systems.*

Topological entropy is locally constant among uniformly hyperbolic diffeomorphisms and certain partially hyperbolic maps. It is also constant on neighborhood of some diffeomorphisms that are not partially hyperbolic, but are isotopic to an Anosov map. We show that this phenomenon is not universal: there exists an open set of diffeomorphisms where the topological entropy is nowhere locally constant. (Received September 03, 2013)