## 1154-37-2042 **Dominik Kwietniak\***, Jagiellonian University in Krakow, Institute of Mathematics, ul. Lojasiewicza 6, 30-348 Kraków, Poland, and **Martha Lacka**. *Feldman-Katok convergence, f-bar, and entropy of nonuniformly hyperbolic measures.*

I will discuss a new tool: the Feldman-Katok pseudometric on orbits. It leads to a notion of convergence for invariant measures. We used it to show that the entropy of nonuniformly hyperbolic measures constructed using the method of Gorodetski, Ilyashenko, Kleptsyn, and Nalsky is zero. Furthermore, these measures are always Kakutani equivalent to an ergodic group rotation. Time permits, I will discuss a related result obtained with Bonatti and D

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az: Assuming robust transitivity, we prove that in the partially hyperbolic setting, there robustly exists an ergodic nonhyperbolic measure with full support and positive entropy. The novelty of this result is that we address all four conditions (robustness, ergodicity, positive entropy, and full support) together, while previous works (of Bochi, Bonatti and D

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az) dealt only with a subset of these conditions. (Received September 17, 2019)