1154-37-1679

Ana Anusic^{*} (ana.anusic[@]gmail.com), Departamento de Matematica Aplicada, IME-US, Rua de Matao 1010, Cidade Universitaria, 05508-090 Sao Paulo SP, Brazil, Sao Paulo, 05508-090, Brazil. *Folding points in inverse limits.*

Folding point is a point which is locally not homeomorphic to the zero-dimensional set of arcs. Williams' work from the 60s showed that hyperbolic one-dimensional attractors do not have folding points. Moreover, such attractors can be modeled as inverse limits on branched one-manifolds. We study the conditions which guarantee existence of folding points in general inverse limits on graphs with a single bonding map, implying the lack of hyperbolicity on the attractor of the extended (\mathbb{R}^2 or \mathbb{R}^3) system. Moreover, we distinguish certain types of folding points and show how their presence is affected by the dynamics of the underlying bonding map. (Received September 16, 2019)