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Inverse limits of certain interval mappings as attractors in two dimensions. (English)

Zbl 0708.58012

Fundam. Math. 133, No. 1, 1-23 (1989).

From author's abstract: "Let p be a continuous piecewise monotonic transitive map of the unit interval into itself such that, for positive iterations, the orbit of every critical point is finite and does not contain critical points. It is proved that for each two-dimensional manifold M , the inverse limit map of p is conjugate to an attractor of some C^1 -diffeomorphism of M into itself, which is of class C^∞ outside some finite invariant set and can be chosen from an arbitrary diffeotopy class."

Reviewer: [A.Stone](#)

MSC:

37B99 Topological dynamics

37E99 Low-dimensional dynamical systems

37C70 Attractors and repellers of smooth dynamical systems and their topological structure

Cited in **1** Review
Cited in **4** Documents

Keywords:

quasiattractor; intervall mapping; inverse limit

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