

SHADOWING AND CHAOS

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ABSTRACT. In this short paper we show that if homeomorphism f on a compact metric space X has the shadowing property and only one chain component, then f is Σ -chaotic. As a corollary we show that generically f is Σ -chaotic.

AMS Classification: 54H20, 54F99

Keywords: Chaos, Minimal, δ -pseudo-orbit, Shadowing property.