

**Nakayama, Hiromichi**

**Limit sets and square roots of homeomorphisms.** (English) Zbl 0914.54035

Hiroshima Math. J. 26, No. 2, 405-413 (1996).

Summary: The author defines the positive and negative limit sets and characterizes their dynamical properties in terms of the non-Hausdorff sets. By using these sets, he also considers the condition that a given homeomorphism has a square root, and gives an example of a wandering homeomorphism without square roots.

**MSC:**

54H20 Topological dynamics (MSC2010)

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

Cited in 7 Documents

**Keywords:**

positive limit set; negative limit set; wandering homeomorphism