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Adjacency and parity relations of words in discrete dynamical systems. (English)

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Following the long tradition originated in the 70s by Metropolis, Stein & Stein, this paper studies the symbolic dynamics of the logistic family of map, from a combinatorial angle. The first theorem takes one full page to be stated, and is preceded by 33 lemmas.

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Keywords : symbolic dynamics; logistic map

Classification :

***37E15** Combinatorial dynamics

68R15 Combinatorics on words

37B10 Symbolic dynamics

37C05 Smooth mappings and diffeomorphisms

Cited in ...