Abstract No : TOD1

SOME PROPERTIES OF PIECEWISE MONOTONIC MAPS WITH MARKOV CONDITION

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In this paper we investigated Piecewise monotonic maps with Markov condition. We started with properties of omega-limit set and after that we focused on topological entropy and specification property.

Abstract No : TOD2

TOPLOGICAL ENTROPY, SCRAMBLED PAIRS, DOUBLED RECURRENT OF A HOMEOMORPHISM ON COMPACT SPACE

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We showed that if a dynamical system $(X; f)$ with f a homeomorphism is such that every pair $(x; y) \in X \times X$ is doubled sided recurrent then f has zero topological entropy. We also showed that for a homeomorphism $f : X \to X$; if any two distinct points $x, y \in X$, such that $(x; y)$ is either Li-yorke scrambled for f or Li-yorke scrambled for f^{-1} then f has zero topological entropy.

Abstract No : TOD3

PERIODIC POINTS OF N-DIMENSIONAL TORAL AUTOMORPHISMS

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In this article, subsets of T^n that can arise as sets of all periodic points of a continuous n-dimensional toral automorphism are characterized. Here the torus T^n is viewed as $[0;\ 1) \ldots \times [0;\ 1)$ (n-times) as a group under coordinate-wise addition modulo 1.

Abstract No.: TOD4

THE n^{th} ITERATE OF A MAP WITH DENSE ORBIT

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If the Topological dynamical systems *(X,f)* has a point $x \in X$, such that f^2 orbit of x is dense and f^n orbit of x is not dense for every $n>2$, then the set of points with dense orbits will have some interesting topological proerties. Ths papers contains a discussuion of such properties.

Abstract No : TOD5

ON CHAOS FOR SHIFT OF INFINITE TYPE

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Shift of infinite type are those shift space which are not finite type. In this paper we will study the chaotic behavior namely Devaney's chaos and Li-Yorke chaos of shift of infinite type. Also we have constructed a shift of infinite type over two symbols which is densely Li-Yorke chaotic and Robinson's chaotic.

Abstract No : TOD6

ON THE SET OF PERIODS OF CONTINUOUS MAPS ON CERTAIN SPACES

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In this paper, we discuss some properties of the set of periods of some topological dynamical systems *(X.f)*.