Zdeněk Kočan , Mathematical Institute in Opava, Silesian University, Czech Republic.   email: `zdenek.kocan@math.slu.cz`

ON SOME PROPERTIES OF DISCRETE SYSTEMS ON DENDRITES

We consider some properties of continuous maps on compact spaces such as positive topological entropy, the existence of a horseshoe, the existence of a homoclinic trajectory, Lyapunov stability on the set of periodic points. The relations between the properties in the case of interval maps are known. We study the relations in the case of dendrite maps.