

On sensitivity and some classes of induced maps

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The talk will consists of two independent parts. Firstly we will speak on some qualitative properties of sensitive topological dynamical systems. Some results from a joint paper with Oleksandr Rybak will be presented. In the second part we will consider some induced dynamical systems, in particular we will speak on ω -limit sets of induced triangular maps (based on a joint work with Damoon Robatian) and on the topological entropy of functional envelope of some dynamical systems (based on a joint work with Iuliia Semikina).