

SEMINARIUM UKŁADY DYNAMICZNE

Tytuł: **Topology and Dynamics of Non-Saddle Sets**
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The theory of isolated invariant sets has proven to play a central role in the study of the qualitative properties of differential equations and dynamical systems. In this talk we will focus on a special kind of isolated invariant sets, the class of isolated non-saddle sets, which in particular contains the class of attractors. We will expose some global properties of non-saddle sets such as the existence of homoclinic trajectories and dissonant points or the existence of a dual non-saddle set. In addition we will discuss some robustness properties.