

SEMINARIUM UKŁADY DYNAMICZNE

Tytuł: **Rotation sets for subshifts of finite type**
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Data: **8 XII 2017**

Rotation sets are generalizations of rotation number defined for homeomorphisms of a circle. We define rotation set for an arbitrary dynamical system on X and a map from X to \mathbb{R}^n and consider the case of transitive subshift of finite type and a map constant on cylinders of length 2. Then the rotation set is a convex hull of finite set and rotation vectors of periodic points are dense in it. Moreover vectors from the interior are rotation vectors of ergodic measures.

Based on an article by Krystyna Ziemian (Fundametna Mathematicae 146).