

SEMINARIUM UKŁADY DYNAMICZNE

Tytuł: **Unique ergodicity and zero entropy of irregular symbolic extensions of irrational rotations**
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Data: **6 IV 2018**

A classical result by Markley and Paul states that irregular almost automorphic systems over irrational rotations are typically not uniquely ergodic and have positive entropy.

By constructing a particular Cantor set, we prove that for each irrational rotation there still are such almost automorphic extensions which are mean-equicontinuous (and hence have zero entropy and are uniquely ergodic).

We will shortly review the results by Markley and Paul and then discuss the construction of the Cantor set. This is a joint work with Eli Glasner, Tobias Jäger and Christian Oertel.