

The Auslander conjecture

(joint work with H. Abels and G. A. Margulis)

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July 2010

The main goal of the talk is to explain the main ideas of our proof of the Auslander conjecture for affine groups acting on an affine space of dimension ≤ 6 . Namely

Theorem. *Let Γ be a crystallographic affine group, $\Gamma \leq \text{Aff } \mathbb{R}^n$, $n \leq 6$, then Γ is virtually solvable.*