

METU Mathematics General Seminar

On a conjecture of Ayala–Francis–Rozenblyum

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Abstract

Every finite homotopy type can be realised by a smooth manifold. I will present some finite stratified homotopy types which cannot be realised by conically smooth manifolds, disproving a 2015 conjecture of Ayala, Francis and Rozenblyum.

Date: Thursday, 30 April 2026

Time: 15:40

Place: Gündüz İkedâ Seminar Room