

COLLOQUIUM DI MATEMATICA

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Tetrahedra and exponential diophantine equations





Mercoledi
26 Novembre
2025

Ore 16.00
AULA M1
Blocco Aule S. Murialdo

ABSTRACT:

Dehn answered Hilbert's third problem around 1900 by showing that certain tetrahedra are not scissors-congruent to a cube. I will explain progress towards the problem of parametrizing all tetrahedra that are scissors-congruent to a cube. This is based on joint work with Kiran Kedlaya, Alexander Kolpakov, and Michael Rubinstein, and further work of two former MIT undergraduates, A. Anas Chentouf and Yihang Sun.



