

MATHEMATICS COLLOQUIUM

Tuesday, January 31

Speaker: Zhiwei Yun (MIT)

4:15 p.m. Rm. 151 Sloan

Title: Geometry and the Inverse Galois Problem

Abstract: We will use geometric methods to make progress on the Inverse Galois Problem, which asks if every finite group arises as a Galois group over \mathbb{Q} . We will give an affirmative answer for certain finite simple groups of Lie type (including E_8).