

Alternating Groups and 69: when Uniformity meets Rational Partitions

Thursday, July 24, 2025 2:30 PM (30 minutes)

This seminar explores the uniformly semi-rationality property of alternating groups. These groups are of particular interest as they constitute a generalization of the well-studied CUT groups. The study of simple groups with this property ultimately reduces to examining alternating groups. Using combinatorial arguments and a seemingly unrelated numerical result, that all natural numbers greater than 69 possess a rational partition, we proved that there are only a finite number of alternating group that have this uniformity condition.

Motivation for Participation

Application for a talk

E-Mail

Special requests and comments

Academic Status

Financial Support

Institution (University)

Topic of your talk

Comments and Suggestions on the Community Agreement

Nationality

Country of Institution

Preferred Name

Gender

Preferred Pronouns

Presenter: VERGANI, Marco