

On the Tits Alternative and its Refinements

mercredi 13 décembre 2023 09:30 (50 minutes)

I shall present Tits' original statement and method of proof of his celebrated alternative for finitely generated linear groups and present various refinements that have been obtained over the years as well as open problems. In particular, I shall discuss the notion of strongly dense free subgroup appearing in recent joint work with Guralnick and Larsen on this topic as well as connections to the study of word maps and expander graphs.

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