

The Ore Conjecture

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The Ore conjecture, posed in 1951, states that every element of every finite non-abelian simple group is a commutator. Despite considerable effort, it remained open for various infinite families of simple groups. Recently, in a joint project with Liebeck, Shalev and Tiep, we developed new strategies, combining character theoretic methods with other ingredients, and used them to establish the conjecture.