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Der Wissenschaftsfonds.

The logo for Johannes Kepler University Linz (JKU) features the letters 'JKU' in a bold, black, sans-serif font, with 'JOHANNES KEPLER UNIVERSITÄT LINZ' written in a smaller font below it.

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## Online talk series

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It is a pleasure to announce a guest lecture with the title

### The "Beyond Expansion" program

joint work with Jean Bourgain, Misha Kapovich and Kei Nakamura

**SPEAKER:** Alex Kontorovich

**TIME:** Thursday, 22.10.2020, 04:00 pm.

**Abstract:** A number of related problems, including one by Einsiedler-Lindenstrauss-Michel-Venkatesh, and another arising in Williamsons counterexamples to the modular Lutzigs Conjecture, are also about Thin Orbits, but instead of asking a Local-Global question, they ask to produce a sieve exponent strictly larger (by a definite amount) from that attained from expansion alone. We discuss the state of the art of such problems and applications.

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