

Analysis and Geometry on Groups

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May 3, 8, 10, 15, 17 and 24, 15:00-17:00

We present different aspects of analysis and geometry on infinite groups. They are centered around two notions, amenability and property (T), which play a fundamental role from algebraic, geometric, analytic and probabilistic point of view.

- A. Zuk, “Analysis and Geometry on Groups”, *Discrete Geometric Analysis*, Memoir MSJ, vol. 34, 2016.
- A. Zuk, “Automata groups”, *Topics in noncommutative geometry*, Clay Math. Proc., 16, Amer. Math. Soc., Providence, RI, 2012.
- A. Zuk, “Groupes engendrés par les automates”, *Séminaire Bourbaki*, Astérisque 311, 2008.
- A. Zuk, “On property (T) for discrete groups”, *Proceedings of the conference Rigidity in Dynamics and Geometry*, Cambridge 2000, Springer 2002.