



GROUPS, LOGIC, AND COMPUTATION. GAGTA-2025

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Groups acting on buildings and their subgroups.

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Abstract:

Since the Cayley graphs can be viewed as one-dimensional buildings we start the approach to Stallings foldings introduced by Kapovich and Myasnikov. We will explain on how combinatorics and geometry evolve in higher dimensions and present new series of examples of Ramanujan graphs and Ramanujan complexes.