

“Symbolic Computations and Post-Quantum Cryptography” Online Seminar

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“Membership problem in groups acting freely on Z^n -trees.”

Apr 28, 12:00am (New York Time).

Abstract:

Groups acting freely on Z^n -trees (Z^n -free groups) play a key role in the study of non-archimedean group actions. Following Stallings' ideas, we develop graph-theoretic techniques to investigate subgroup structure of Z^n -free groups. As an immediate application of the presented method, we give an effective solution to the Uniform Membership Problem and the Power Problem in Z^n -free groups.

Next presentation: **May 12, 2011.**