"Group Theory International"
Online Seminar

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"On groups elementarily equivalent to $T_n(R)$"

Thursday, October 8, noon (New York Time)

In this talk I will present my joint result with Alexei Miasnikov on the structure of a group elementarily equivalent to the group $T_n(R)$ of all invertible n×n upper triangular matrices, where n≥3 and R is a characteristic zero integral domain. In particular, I will talk about necessary and sufficient conditions for a group to be elementarily equivalent to $T_n(R)$, where R is a characteristic zero algebraically closed field, a real closed field, a number field, or the ring of integers of a number field.

Algebraic Cryptography Center