

Mathematics Colloquium

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Hyperbolic Kac-Moody Groups

Abstract: We discuss the construction of groups associated to hyperbolic Kac-Moody Lie algebras, their structure over finite fields and their appearance in high-energy physics. Such groups contain non-uniform lattice subgroups, some of which satisfy Kazhdan's Property T, others satisfy α -T-menability, a weak form of amenability which negates Property T.

Wednesday, February 15

**4:00-5:00 pm
204 Smith Hall**