

APRIL 1 - JULY 15

IMPAN, WARSAW

SIMONS SEMESTER

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# GEOMETRIC AND ANALYTIC GROUP THEORY

SEMINAR

WEDNESDAY, 05.06.2019

13:00-13:50

ROOM 321

ŚNIADECKICH 8

00-656 WARSZAWA

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*Volume Vs. Rank of Lattices in Lie Groups*

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Abstract: A theorem by Gelander shows that the minimal number of generators of a lattice in a semi-simple Lie group is bounded by its co-volume. We prove a generalization of this result to an arbitrary connected Lie group with the appropriate modifications. This is one aspect of the phenomenon where the volume of locally symmetric spaces determines their topological complexity.

This is joint work with Tsachik Gelander.

