

APRIL 1 - JULY 15

IMPAN, WARSAW

SIMONS SEMESTER

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SEMINAR

WEDNESDAY, 10.07.2019

14:00-14:50

ROOM 403

ŚNIADECKICH 8

00-656 WARSZAWA

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# GEOMETRIC AND ANALYTIC GROUP THEORY

Andriy Oliynyk (Taras Shevchenko National University of Kyiv)

*On Generators of Finite State Wreath Powers of  
Semigroups and Groups*

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Abstract: Motivated by automata theory we define finite state wreath powers of transformation semigroups and permutation groups.

Then we discuss the problem of existence of minimal generating sets in such a wreath powers. The cases when negative and positive solutions are known lead to some open questions that will be discussed as well.

