

APRIL 1 - JULY 15

IMPAN, WARSAW

SIMONS SEMESTER ON

GEOMETRIC AND ANALYTIC GROUP THEORY

SEMINAR

WEDNESDAY, 3.04.2019

14:00-14:50

ROOM 321

ŚNIADECKICH 8

00-656 WARSZAWA

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Hyperbolic Coxeter groups, conformal dimension and L_p -OE

Abstract: L_p -orbit equivalence (L_p -OE) is an equivalence relation between finitely generated discrete groups, where one assumes L_p -integrability conditions on the cocycles coming along with the orbit equivalence relation. In recent years, it has been seen that there are some geometric properties of groups which are invariant under L_p -OE. It is well known that the conformal dimension of the Gromov boundary of a hyperbolic group (having "nice" Gromov boundary) is invariant under quasi-isometry. In this lecture, I will show that conformal dimension of the Gromov boundary is invariant under L_p -OE, for sufficiently large p , for the class of hyperbolic Coxeter groups with Combinatorial Loewner Property.

