

Mini-Course

Łukasz Garncarek

U Warsaw

Monday, March 14, 2016

Lecture 1: 14:00 – 14:45

Lecture 2: 15:15 – 16:00

Wednesday, March 16, 2016

Lecture 3: 14:00 – 14:45

Lecture 4: 15:15 – 16:00

Boltzmann Lecture Hall, ESI, Boltzmanngasse 9, Vienna

Property of Rapid Decay

Property RD is a certain estimate for operator norms of convolution operators on a group. During the mini-course I will discuss the following topics:

- *various equivalent definitions of property RD*
- *closure properties of the class of groups satisfying RD*
- *applications of property RD*
- *a geometric criterion for RD*
- *proof of RD for hyperbolic groups and CAT(0)-cubical groups*
- *some problems involving property RD*

G. Arzhantseva, T. Schick