

離散群の幾何解析  
(平成 28 年度プロジェクト研究計画)

**Geometric Analysis on Discrete Groups**

<http://www.kurims.kyoto-u.ac.jp/~narutaka/conf2016.html>

京都大学数理解析研究所 4 2 0 号室 Room 420 at RIMS, Kyoto University

平成 2 8 年 5 月 3 0 日 ~ 6 月 0 3 日 30.05.2016–03.06.2016

研究代表者: 藤原耕二 & 小澤登高 Organizer: K. Fujiwara & N.Ozawa

**5 月 3 0 日 (月) Monday, 30.05**

09:40~10:30 **Amos Nevo 1 (Technion)**

Representation theory, discrete lattice subgroups, effective ergodic theorems, and applications

10:40~11:30 **Kate Juschenko 1 (Northwestern)**

Groups of dynamical origin

13:30~14:20 木田 良才 (東大) **Yoshikata Kida (Tokyo)**

Stable actions and central extensions

14:30~15:20 石田 智彦 (京大) **Tomohiko Ishida (Kyoto)**

Unboundedness of groups of Hamiltonian diffeomorphisms

15:50~16:40 森田陽介 (東大) **Yosuke Morita (Tokyo)**

A cohomological obstruction to the existence of compact Clifford-Klein forms

**5 月 3 1 日 (火) Tuesday, 31.05**

09:40~10:30 **Amos Nevo 2 (Technion)**

Representation theory, discrete lattice subgroups, effective ergodic theorems, and applications

10:40~11:30 **Uri Bader 1 (Technion)**

An ergodic method for group linearity

13:30~14:20 松井 宏樹 (千葉) **Hiroki Matui (Chiba)**

Topological full groups of étale groupoids

14:30~15:20 松田 能文 (青山) **Yoshifumi Matsuda (Aoyama)**

Zigurat and rigidity

15:50~16:40 **Pierre Mathieu (Marseille)**

Deviation inequalities and Central Limit Theorem for random walks on acylindrically hyperbolic groups

6月01日(水)

Wednesday, 01.06

09:40~10:30 **John Parker** (Durham)

## A complex hyperbolic Riley slice

10:40~11:30 **Kate Juschenko 2 (Northwestern)**

## Groups of dynamical origin

## Free Afternoon

6月02日(木)

Thursday, 02.06

09:40~10:30 **Amos Nevo 3 (Technion)**

Representation theory, discrete lattice subgroups, effective ergodic theorems, and applications

10:40~11:30 Uri Bader 2 (Technion)

An ergodic method for group linearity

13:30~14:20 Rostyslav Kravchenko (Northwestern)

Invariant and characteristic random subgroups

14:30~15:00 木村 満晃 (東大) Mitsuaki Kimura (Tokyo)

# Conjugation-invariant norms on the commutator subgroup of the infinite braid group

15:10~15:40 加藤 本子 (東大) Motoko Kato (Tokyo)

Higher dimensional Thompson groups have Serre's property FA

6月03日(金)

## Friday, 03.06

09:40~10:30 **Kate Juschenko 3 (Northwestern)**

## Groups of dynamical origin

10:40~11:30 Uri Bader 3 (Technion)

An ergodic method for group linearity

## End of Conference