

## Asymptotics in Geometry

!! プログラム変更のお知らせ !!

Tohoku University, Kawai Hall

<http://www.math.tohoku.ac.jp/>

July 15th(Sat) – July 17th(Mon, holiday), 2006

July 15th(Sat.)

13:00–14:00 Toshikazu Sunada(Meiji University)

TBA

14:10–15:10 Takefumi Kondo(Kyoto University,D)

Fixed-Point Property of Random Groups

15:30–16:30 Nobuaki Obata(Tohoku University)

Asymptotic spectral analysis of growing graphs and applications

16:40–17:40 Satoshi Ishiwata(Tsukuba University)

A stability of a gradient estimate for the heat kernel on graphs

18:00– party at Math.Building 502

July 16th (Sun.)

10:10–11:10 Taro Nagao(Nagoya University)

Semiclassical theory for parametric energy level statistics I

11:20–12:20 Taro Nagao

Semiclassical theory for parametric energy level statistics II

Lunch

14:00–15:00 Yiannis Petridis (CUNY, USA)

Distribution of closed geodesics and (co)homological constraints

15:20–16:20 Makoto Minamide(Nagoya University, D)

On the Hadamard products of the Selberg zeta functions

16:40–17:40 Tatsuya Tate(Nagoya University)

A spectral analogue of asymptotics of the number of partitions

July 17th (Mon.)

10:10–11:10 Yiannis Petridis

Perturbation theory in hyperbolic manifolds and scattering poles

11:20–12:20 Jun Masamune (Chuo University & Worcester Polytechnic Institute)

Special Green formulae for non-compact manifolds

# # Educational Lectures

Tatsuya Tate

gives three hours educational lecture on 「量子エルゴード性入門」

July 17 th (Mon.) 14:00–15:00 ,15:20–16:20, 16:40–17:40

Yiannis Petridis

gives two hours educational lecture on

“Introduction to the spectral and scattering theory of hyperbolic manifolds”.

July 18 th(Tue.)13:00–15:00