Asymptotics in Geometry

Tohoku Univerisity, Kawai Hall

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

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

July 15th(Sat.)
13:00–14:00 Alexander Gamburd(University of California at Santa Cruz.)
Discrete and Continuous Variations on the Expanding Theme I
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 Alexander Gamburd
Discrete and Continuous Variations on the Expanding Theme II
11:20–12:20 Taro Nagao(Nagoya University)
Semiclassical theory for parametric energy level statistics
    Lunch
14:00–15:00 Yiannis Petridis (CUNY, USA)
Distribution of closed geodesics and (co)homological constraints
15:20–16:20 Makoto Minamide(Nagoya Univerisity, 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
Alexander Gamburd
gives three hours educational lecture on the same title, where he will explain the background.
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