

Workshop “Number Theory and Probability Theory”

15-16 October, 2007 at RIMS and IAS

Program

10/15 (Mon) RIMS room 202

- 10:00 - 10:50 Marc Yor (Paris VI, Kyoto RIMS)
Asymptotic moments of zeta and random matrices: the Keating-Snaith philosophy
- 11:10 - 12:00 Sho Matsumoto (Kyushu)
Characteristic polynomial averages of a random matrix from compact symmetric spaces
- 13:20 - 14:10 Akihito Hora (Nagoya)
Group characters, random Young diagrams, and some limit theorems
- 14:25 - 15:15 Kumi Yasuda (Keio)
Markov processes on Adeles
- 15:35 - 16:25 Hiroshi Sugita (Osaka)
Randomization of some number-theoretic special functions
- 16:40 - 17:30 Katusi Fukuyama (Kobe)
The law of the iterated logarithm for discrepancies of $\{\theta^n x\}$

10/16 (Tue) IAS room 216

- 10:00 - 10:50 Yasutaka Ihara (Kyoto, Prof. Emeritus)
On some density functions and their Fourier transforms arising from number theory
- 11:10 - 12:00 Takashi Nakamura (Nagoya)
The joint universality and the generalized self-similarity for Dirichlet L -functions
- 13:30 - 14:20 Tomoyuki Shirai (Kyushu)
Variance of randomized values of Riemann's zeta function on the critical line
- 14:40 - 15:30 Takahiko Fujita (Hitotsubashi, Kyoto RIMS)
A probabilistic approach to special values of the Riemann zeta function
- 15:50 - 16:40 Marc Yor (Paris VI, Kyoto RIMS)
An arithmetic model for the total disorder process