

RIMS Project Research

Number Theory and Probability

September 13–15, 2010

RIMS, Kyoto University

Kyoto, Japan

Room 111

Speakers and Titles

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|----------------|---|
| P. Biane | (1) Brownian motion on matrices and the Riemann zeta function
(2) Functional equation for Riemann zeta function, scattering and Painlevé equations |
| T. K. Duy | Besicovitch's limit periodic functions and L^q -spaces over the ring of finite integral adeles |
| T. Fujita | Special values of the Riemann zeta function via probability theory |
| L. Hughston | Number-theoretic aspects of the zeta distribution |
| H. Kaneko | A fractal theoretic grip on Dirichlet forms on the ring of p -adic integers |
| A. Laurincikas | (1) Value-distribution of twisted L -functions of certain cusp forms.
(2) Value-distribution theorems for multiplicative functions. |
| K. Matsumoto | (1) On the value-distributuion of $\log L$ and L'/L (I)
(2) On the value-distributuion of $\log L$ and L'/L (II) |
| T. Morita | Dynamical zeta functions for a class of renormalized Rauzy-Veech-Zorich inductions |
| T. Nakamura | The generalized strong recurrence for the Riemann zeta function |
| Y. Okabe | (1) Riemann's zeta function and T -positivity (I): ordinary diffenrential equation with time delay
(2) Riemann's zeta function and T -positivity (II): Kummer function |
| K. Yasuda | Adelic processes and number theoretical functions |
| M. Yor | (1) Some new limit theorems in probability theory, due to J. Jacod, A. Nikeghbali, et al. (I)
(2) Some new limit theorems in probability theory, due to J. Jacod, A. Nikeghbali, et al. (II) |

Schedule

	9/13	9/14	9/15
09:30--10:30	Laurincikas	Yor	Matsumoto
10:40--11:40	Laurincikas	Yor	Matsumoto
Lunch			
13:00--14:00	Okabe	Biane	Duy
14:10--15:10	Okabe	Biane	Yasuda
15:30--16:30	Fujita	Morita	Kaneko
16:40--17:40	Nakamura	Hughston	