

Program of Tokyo College Lectures by Prof. Bernard Derrida

Course of Lectures

Place: Room 340, Faculty of Science Building 1, The University of Tokyo

October 23, Wed.

10:30-12:00 Bernard Derrida

“Reaction diffusion problems: from moving interfaces to genealogies I”

October 24, Thur.

10:30-12:00 Bernard Derrida,

“Reaction diffusion problems: from moving interfaces to genealogies II”

Workshop on Recent Progress in Mathematical and Statistical Physics

October 30, Wed.

Place: Room 206, Faculty of Science Building 1, The University of Tokyo

10:00-11:00 Bernard Derrida (CdF), TBA

11:00-11:10 Break

11:10-12:00 Atsuo Kuniba (U. Tokyo), Randomized box-ball systems, limit shape of soliton distributions and thermodynamic Bethe ansatz

12:00-13:30 Lunch

13:30-14:20 Tomohiro Sasamoto (Tokyo Inst. Tech.), Large deviation of a tagged particle position in the 1D symmetric simple exclusion process

14:20-15:10 Keiji Saito (Keio U.), Title: Looking at bare transport coefficients in the hydrodynamics

15:10-15:30 Coffee Break

15:30-16:10 Yuto Ashida (U. Tokyo), Quantum Rydberg central spin problem: remnant of integrability in atomic physics

16:10-16:50 Naoto. Shiraishi (Gakushuin U.), Bounds on entropy production stronger than the second law of thermodynamics

16:50-17:30 Sosuke Ito (U. Tokyo), Thermodynamics of information geometry and a generalization of the Glansdorff-Prigogine criterion for stability

17:30 Closing