

Infinite Analysis

September 24th (Tue)

9:30–12:00

- 1 Masataka Kanki (Univ. of Tokyo)[#] Constructing the integrable systems over finite fields using the field of
Tetsuji Tokihiro (Univ. of Tokyo) p -adic numbers 15
Jun Mada (Nihon Univ.)
- 2 Shuhei Kamioka (Kyoto Univ.)[#] A combinatorial expression of the solution to an initial value problem
of the Toda molecule 15
- 3 Atsushi Nobe (Chiba Univ.)[#] A geometric realization of the periodic box-ball system 15
- 4 Mami Okiyoshi (Hiroshima Univ.)[#] Generating functions of box and ball system 15
- 5 Kouichi Takemura (Chuo Univ.)[#] Ultradiscrete Painlevé VI with parity variables 15
Terumitsu Tsutsui
- 6 Takao Suzuki (Kinki Univ.)[#] A particular solution of the Schlesinger system $\mathcal{H}_{3,2}$ in terms of a rigid
system 15
- 7 Yousuke Ohyama (Osaka Univ.)[#] A connection problem for linear q -difference equations related to the
 q -Painlevé equation 15
- 8 Kazuo Kaneko (Yokkaichi Univ.)^{*} Symmetric solutions to the degenerate four dimensional Painlevé type
equations NY^{A_4} , IV^{Mat} and II^{Mat} 20

14:15–16:20

- 9 Koji Hasegawa (Tohoku Univ.)[#] Lax formalism for quantum discrete Garnier system 15
Yousuke Semba (Asakura Publ.)
- 10 Yas-Hiro Quano[#] Spontaneous polarization of spin-1 analogue of the eight-vertex model
(Suzuka Univ. of Med. Sci.) 20
- 11 Tomoki Nakanishi (Nagoya Univ.)[#] Diagrammatic description of c -vectors and d -vectors of cluster algebras
Salvatore Stella (Northeastern Univ.) of finite type 15
- 12 Tomoki Nakanishi (Nagoya Univ.)[#] Wonder of sine-Gordon Y -systems 15
Salvatore Stella (Northeastern Univ.)
- 13 Masato Okado (Osaka City Univ.)[#] PBW bases of U_q^+ and quantized algebra of functions 20
Atsuo Kuniba (Univ. of Tokyo)
Yasuhiko Yamada (Kobe Univ.)
- 14 Motohiro Ishii (Univ. of Tsukuba)[#] Path model for crystal bases of level-zero extremal weight modules over
Satoshi Naito (Tokyo Tech) quantum affine algebras 15
Daisuke Sagaki (Univ. of Tsukuba)

16:30–17:30 Talk invited by Infinite Analysis Special Session

- Katsuyuki Naoi (Univ. of Tokyo)[#] An approach to the $X = M$ conjecture using modules over a current algebra

September 25th (Wed)

9:30–12:00

- 15 Takeshi Morita (Osaka Univ.)[#] A connection formula of a divergent bilateral basic hypergeometric function 15
- 16 Masahiko Ito (Tokyo Denki Univ.)[#] The q -Dixon–Anderson integral —a multi-dimensional Ramanujan ${}_1\psi_1$ sum— 20
- 17 Masahiko Ito (Tokyo Denki Univ.)[#] A bilateral extension of the q -Selberg integral and its product expression — q -difference equation, shifted symmetric polynomials, connection formula— 20
- 18 Hiroshi Naruse (Okayama Univ.)[#] Dual Grothendieck polynomials and finite sum Cauchy formula 15
Alain Lascoux
(Univ. de Marne-la-Vallée)
- 19 Hiroshi Naruse (Okayama Univ.)[#] Factorial Schur functions and vexillary permutations of types B, C and D 15
- 20 Hiroshi Mizukawa[#] Schur function identities and the basic representation of $A_2^{(2)}$ 15
(Nat. Defense Acad. of Japan)
Tatsuhiro Nakajima (Meikai Univ.)
Hiro-Fumi Yamada (Okayama Univ.)
- 21 Yosuke Saito (Tohoku Univ.)[#] Commutative families arising from the elliptic Ding–Iohara algebra and the elliptic Feigin–Odesskii algebra 20

13:00–14:00 Talk invited by Infinite Analysis Special Session

- Akihiro Tsuchiya (Univ. of Tokyo)^{*} Logarithmic conformal field theory and the representation theory of extended W -algebras