Infinite Analysis

September 18th (Tue) Session Room VII

9:30–11:45

1 Kazuo Kaneko (Yokkaichi Univ.) * Special solutions to the four dimensional Painlevé type equations 21,21,111,111 and 31,22,22,1111 ····· 15

2 Seiji Nishioka (Yamagata Univ.) ♯ Approximation of Poincaré's new functions by rational functions ····· 15

3 Yoshikatsu Sasaki (Hiroshima Univ.) ♯ Third-degree superintegrable system solved by the sixth Painlevé transcendents ····· 15

4 Hajime Nagoya (Kobe Univ.) ♯ Realizations of affine Weyl group symmetries on the quantum Painlevé equations by fractional calculus ····· 15

5 Hajime Nagoya (Kobe Univ.) ♯ Symmetries of quantum Lax equations for the Painlevé equations ···· 15
Yasuhiko Yamada (Kobe Univ.)

6 Koji Hasegawa (Tohoku Univ.) ♯ Lax form for quantum discrete Painlevé VI equation ····· 20

7 Gen Kuroki (Tohoku Univ.) ♯ Sato–Wilson formalisms for quantum birational Weyl group actions of type A ····· 30

14:15–14:45

8 Edwin Langmann ♯ (Roy. Inst. of Tech. Sweden) Source identity and kernel functions for Inozemtsev-type systems ····· 15
Kouichi Takemura (Chuo Univ.)

9 Masatoshi Noumi (Kobe Univ.) Bispectral problem for the Ruijsenaars–Macdonald q-difference operators ····· 15
Jun'ichi Shiraishi (Univ. of Tokyo)

15:00–16:00 Invited Talk by Special Session

Junichi Shiraishi (Univ. of Tokyo) ♯ Vertex operators, Nekrasov partition functions and Macdonald polynomials

September 19th (Wed) Session Room VII

10:30–11:50

10 Taichiro Takagi ♯ (Nat. Defense Acad. of Japan) Commuting time evolutions in the tropical periodic Toda lattice ····· 15

11 Atsuo Kuniba (Univ. of Tokyo) ♯ Tetrahedron equation and quantum R matrices for spin representations
Sergey Sergeev (Univ. of Canberra) ····· 10

12 Ryosuke Kodera (Kyoto Univ.) * Self-extensions and prime factorizations for simple $U_q(L\mathfrak{sl}_2)$-modules · 15

13 Jun Murakami (Waseda Univ.) ♯ Quantum $6j$-symbols for non-integral highest weight representations of $\mathcal{U}_q(sl_2)$ at root of unity ····· 15

14 Motohiro Ishii (Univ. of Tsukuba) ♯ Path model for representations of generalized Kac–Moody algebras ··· 15

13:30–14:30 Invited Talk by Special Session

Yoshiyuki Kimura (Osaka City Univ.) ♯ Quiver varieties and quantum cluster algebras