

無 限 可 積 分 系

9月24日(火)

9:30~12:00

- 1 神吉雅崇 (東大数理) # p 進数体を用いた有限体上の可積分系の構成 15
 時弘哲治 (東大数理)
 間田潤 (日大生産工)
 Masataka Kanki (Univ. of Tokyo) # Constructing the integrable systems over finite fields using the field of
 Tetsuji Tokihiro (Univ. of Tokyo) p -adic numbers
 Jun Mada (Nihon Univ.)
- 2 上岡修平 (京大情報) # 戸田分子の初期値問題の解の組合せ論的な表示 15
 Shuhei Kamioka (Kyoto Univ.) # A combinatorial expression of the solution to an initial value problem
 of the Toda molecule
- 3 野邊厚 (千葉大教育) # 周期箱玉系の幾何学的実現 15
 Atsushi Nobe (Chiba Univ.) # A geometric realization of the periodic box-ball system
- 4 沖吉真実 (広島大理) # 箱玉系の母関数 15
 Mami Okiyoshi (Hiroshima Univ.) # Generating functions of box and ball system
- 5 竹村剛一 (中大理工) # Ultradiscrete Painlevé VI with parity variables 15
 筒井栄光
 Kouichi Takemura (Chuo Univ.) # Ultradiscrete Painlevé VI with parity variables
 Terumitsu Tsutsui
- 6 鈴木貴雄 (近畿大理工) # シュレジンガー系 $\mathcal{H}_{3,2}$ のリジッド方程式による特殊解 15
 Takao Suzuki (Kinki Univ.) # A particular solution of the Schlesinger system $\mathcal{H}_{3,2}$ in terms of a rigid
 system
- 7 大山陽介 (阪大情報) # A connection problem for linear q -difference equations related to the
 q -Painlevé equation 15
 Yousuke Ohyama (Osaka Univ.) # A connection problem for linear q -difference equations related to the
 q -Painlevé equation
- 8 金子和雄 * Symmetric solutions to the degenerate four dimensional Painlevé type
 (四日市大関孝和数学研) equations NY^{A_4} , IV^{Mat} and II^{Mat} 20
 Kazuo Kaneko (Yokkaichi Univ.) * Symmetric solutions to the degenerate four dimensional Painlevé type
 equations NY^{A_4} , IV^{Mat} and II^{Mat}

14:15~16:20

- 9 長谷川浩司 (東北大理工) # 量子差分ガルニエ系の Lax 形式 15
 仙波洋介 (朝倉書店)
 Koji Hasegawa (Tohoku Univ.) # Lax formalism for quantum discrete Garnier system
 Yousuke Semba (Asakura Publ.)
- 10 桑野泰宏 # 8 頂点模型のスピン 1 類似の自発分極について 20
 (鈴鹿医療科学大医工)
 Yas-Hiro Quano # Spontaneous polarization of spin-1 analogue of the eight-vertex model
 (Suzuka Univ. of Med. Sci.)

- 11 中西知樹 (名大多元数理)[#] Diagrammatic description of c -vectors and d -vectors of cluster algebras
S. Stella (Northeastern Univ.) of finite type 15
Tomoki Nakanishi (Nagoya Univ.)[#] Diagrammatic description of c -vectors and d -vectors of cluster algebras
Salvatore Stella (Northeastern Univ.) of finite type
- 12 中西知樹 (名大多元数理)[#] Wonder of sine-Gordon Y -systems 15
S. Stella (Northeastern Univ.)
Tomoki Nakanishi (Nagoya Univ.)[#] Wonder of sine-Gordon Y -systems
Salvatore Stella (Northeastern Univ.)
- 13 尾角正人 (阪市大理)[#] U_q^+ の PBW 基底と量子座標環 20
国場敦夫 (東大総合文化)
山田泰彦 (神戸大理)
Masato Okado (Osaka City Univ.)[#] PBW bases of U_q^+ and quantized algebra of functions
Atsuo Kuniba (Univ. of Tokyo)
Yasuhiko Yamada (Kobe Univ.)
- 14 石井基裕 (筑波大数理物質)[#] 量子アフィン展開環上のレベル・ゼロ extremal ウェイト加群の結晶基底
内藤聡 (東工大理工) のパス模型 15
佐垣大輔 (筑波大数理物質)
Motohiro Ishii (Univ. of Tsukuba)[#] Path model for crystal bases of level-zero extremal weight modules over
Satoshi Naito (Tokyo Tech) quantum affine algebras
Daisuke Sagaki (Univ. of Tsukuba)

16:30~17:30 特別講演

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

9月25日(水)

9:30~12:00

- 15 森田健 (阪大情報)[#] A connection formula of a divergent bilateral basic hypergeometric function 15
Takeshi Morita (Osaka Univ.)[#] A connection formula of a divergent bilateral basic hypergeometric function
- 16 伊藤雅彦 (東京電機大未来)[#] q -Dixon-Anderson 積分 —多変数 Ramanujan ${}_1\psi_1$ 和公式— 20
Masahiko Ito (Tokyo Denki Univ.)[#] The q -Dixon-Anderson integral —a multi-dimensional Ramanujan ${}_1\psi_1$ sum—
- 17 伊藤雅彦 (東京電機大未来)[#] 両側級数に拡張された q -Selberg 積分の積表示 — q -差分方程式, シフト付き基本対称式, 接続関係式— 20
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—
- 18 成瀬弘 (岡山大教育)[#] Dual Grothendieck polynomials and finite sum Cauchy formula 15
A. Lascoux (Univ. de Marne-la-Vallée)
Hiroshi Naruse (Okayama Univ.)[#] Dual Grothendieck polynomials and finite sum Cauchy formula
Alain Lascoux (Univ. de Marne-la-Vallée)

3 無限可積分系

- 19 成瀬 弘 (岡山大教育)[#] Factorial Schur functions and vexillary permutations of types B, C and D 15
 Hiroshi Naruse (Okayama Univ.)[#] Factorial Schur functions and vexillary permutations of types B, C and D
- 20 水川 裕司 (防衛大)[#] $A_2^{(2)}$ の基本表現から得られるシューア関数の恒等式 15
 中島 達洋 (明海大経済)
 山田 裕史 (岡山大自然)
 Hiroshi Mizukawa [#] Schur function identities and the basic representation of $A_2^{(2)}$
 (Nat. Defense Acad. of Japan)
 Tatsuhiro Nakajima (Meikai Univ.)
 Hiro-Fumi Yamada (Okayama Univ.)
- 21 齋藤 洋介 (東北大理)[#] 楕円 Ding–Iohara 代数と楕円 Feigin–Odesskii 代数から現れる可換な作用素の族 20
 Yosuke Saito (Tohoku Univ.)[#] Commutative families arising from the elliptic Ding–Iohara algebra and the elliptic Feigin–Odesskii algebra

13:00~14:00 特別講演

- 土屋 昭博 (東大IPMU)* Log 共形場理論と拡大 W -代数の表現論
 Akihiro Tsuchiya (Univ. of Tokyo)* Logarithmic conformal field theory and the representation theory of extended W -algebras