

Program of the Conference

Exploration of New Structures and Natural Constructions in Mathematical Physics

Graduate School of Mathematics (Room 509), Nagoya University

March 5–8, 2007

— On the occasion of Professor Akihiro Tsuchiya's retirement —

Speakers and Titles

- Vladimir Bazhanov (Australian National University)
Star-Triangle Relation, Faddeev–Volkov Model and Discrete
Conformal Symmetry
- Boris Feigin (Landau Institute & Moscow Independent University)
Fermionic Formulas for the Characters or Representations in the
(1, n) Logarithmic Theory
- Edward Frenkel (Berkeley)
Gaudin Models with Irregular Singularities
- Nicolai Reshetikhin (Berkeley)
Random Surfaces and the Limit Shape Phenomenon
- Paul Wiegmann (Chicago)
Mathematical Aspects of Laplacian Growth: Evolution of Con-
formal Maps and Singularities of Growing Patterns
- Tomoyuki Arakawa (Nara Women's University)
On Affine W -Algebras
- Tohru Eguchi (Tokyo)
Liouville Field, Modular Forms and Elliptic Genera
- Masaki Kashiwara (Research Institute of Mathematical Sciences)
Microlocalization of Rational Cherednik Algebras
(joint work with R. Rouquier)
- Gen Kuroki (Tohoku)
Quantum Groups and Quantization of Isomonodromic Systems
- Tetsuji Miwa (Kyoto)
Fermionic Basis in the XXZ Spin Chain
- Shigeru Mukai (Research Institute of Mathematical Sciences)
Hilbert's 14th Problem for the Kronecker Quiver
- Hiraku Nakajima (Kyoto)
K-theoretic Donaldson invariants via instanton counting
(joint work with L. Göttsche, K. Yoshioka)
- Kyoji Saito (Research Institute of Mathematical Sciences)
Towards Categorical Construction of Primitive Forms
- Takeshi Suzuki (Research Institute of Mathematical Sciences)
Cherednik Algebras in Conformal Field Theory