Exploration of New Structures and Natural Constructions in Mathematical Physics

数理物理における新たな構造と自然な構成の探究

Announcement ver.20070304

Graduate School of Mathematics (Room 509), Nagoya university, March 5-8, 2007.

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

Vladimir Bazhanov(Australian National University) "Star-Triangle Relation, Faddeev-Volkov Model and Discrete Conformal Symmetry"

Boris Feigin (Landau Inst. / 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 conformal 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 (RIMS) "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 (RIMS) "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 (RIMS) "Towards categorical construction of primitive forms"

Takeshi Suzuki (RIMS) " Cherednik Algebras in Conformal Field Theory"

Kanehisa Takasaki (Kyoto) "Fay-type identities and dispersionless limit of integrable hierarchies" (joint work with Takashi Takebe)

Akihiro Tsuchiya (Nagoya) "Tensor category associated with Vertex operator algebra with C_2 finiteness condition"

March	10 : 00–	11 : 15–	14 : 00–	15 : 15–	16 : 30–	60*min for each*
5*th*	–	–	*Arakawa*	*Suzuki*	*Kuroki*	
6*th*	*Takasaki*	*Wiegmann*	*Bazhanov*	*Eguchi*	*Saito*	
7*th*	*Nakajima*	*Reshetikhin*	*Feigin*	*Miwa*	*Tsuchiya*	Banquet
8*th*	*Frenkel*	*Mukai*	*Kashiwara*			

Note: Banquet will take place on March 7, 18:00- at restaurant Hananoki in the campus. (http://www.nucoop.jp/shop/list.html) **FOR JAPANESE: please read the next page.**

Organizers/Editors for the proceedings: Koji Hasegawa (Tohoku), Yasuhiko Yamada (Kobe), Shinobu Hosono (Tokyo), Takahiro Hayashi (Nagoya). [Proceedings will be published as a volume of the MSJ series "Advanced Studies in Pure Mathematics".]

Infomation: http://www.math.tohoku.ac.jp/~kojihas/ATfield.html

This page is written in Japanese.

バンケット参加登録のお願い (**Registration for the Banquet**)

7 日 (水) 夕方には、キャンパス内「花の木」でバンケットを行います。

有職者 7000 円、学生等 3000 円

の予定です。参加御予定の方は、下記にメールをいただければ幸いです。

tsuchiya-63@math.nagoya-u.ac.jp

＃文面に「バンケットに参加します」および「所属 (学生の方は学年も)・氏名」をお書き下さい。この情報は本研究会関連の御連絡の他には使用しません。

参加人数把握のため御協力いただければ幸いです。(ただし参加の必要条件ではなく、当日になっての参加も歓迎いたします。)

特に自動返信の機能は設けておりませんので、御質問などを記された場合も返信は遅くなるかもしれません。御了承下さい。

付随情報 (**Additional Information**)

・研究科主催の最終講義は 16 日午後 (16:15 - 17:15) に行われるとのことです。

Official "Last Lecture" of Professor Tsuchiya will be delivered on 16th, 16:15-17:15.

(2) 研究会の翌週、3 月 12 ~ 13 日に、以下のセミナーが行われる予定です。

(organized by Koji Hasegawa and Hiraku Nakajima)

Workshop on integrable systems

March 12th 13:30 - 13th, Kyoto university, 6th Bld., room 609

Vladimir Bazhanov (Australian National University) "Analytic theory of the eight vertex model"

Evgeny Feigin (Lebedev Inst. and Moscow independent univ.) "Character formulas for Kac-Moody cosets"

Evgeny Muhkin (Indiana University) "On the Shapiro conjecture"

Edward Frenkel (UC Berkeley) "Ramifications of the geometric Langlands Program" (2 talks)

＃ The following talk by Frenkel will be delivered on 14th.

Edward Frenkel (UC Berkeley) "Instantons beyond topological theory"

詳しくは「無限可積分系」「表現論」メーリングリスト、および本研究会情報ページ

http://www.math.tohoku.ac.jp/~kojihas/ATfield.html

にて情報をおしらせします.