

International Workshop on Noncommutative Geometry and Physics, Beijing

November 7–10, 2005
(Beijing University)

Monday, November 7

9:00–9:10 Opening

9:10–10:00 H. Moriyoshi (Keio U.)
“An Index Theorem on Sasakian Manifolds”

10:10–11:00 H.-Y. Guo (ITP, Beijing)
“The Beltrami Model of De Sitter Space — From Snyder’s quantized space-time to de Sitter invariant special relativity”

11:00–11:20 TEA

11:20–12:30 T. Natsume (Nagoya Inst. Tech)
TBA

10:50–11:10 TEA

14:00–14:50 W.-P. Zhang (Nankai, Tianjin)
“An Index Theorem for Toeplitz Operators on Manifolds with Boundary”

15:00–15:50 S. Wu (Colorado University)
“Some remarks on homological algebra and gerbes”

15:50–16:20 Coffee

16:20–17:10 A. Tomoda (Keio U.)
“On the Splitting Principle of Bundle Gerbe Modules”

Tuesday, November 8

9:00–9:50 K. Ito (Tokyo Inst. of Tech.)
“Non(anti)commutative superspace and Supersymmetric Gauge Theories”

10:00–10:50 T. Kato (Kyoto U.)
”Symplectic capacity on infinite grassmannian”

10:50–11:10 TEA

11:10–12:00 P. Bouwknegt (Australian Natl. U., Canberra)
“Global Aspects of T-Duality”

- 14:00–14:50 T. Araki** (Tohoku U.)
“Instantons in Non(anti)commutative Gauge Theory and Deformed ADHM Construction”
- 15:00–15:50 Y.-K. Lau** (IAM, Academy of Science)
“Why a Mathematician should care about Experimental Detection of Gravitational Radiation?”
- 15:50–16:20 Coffee**
- 16:20–17:10 S. Watamura** (Tohoku University)
“Comment on Differential calculus on Non(anti)commutative Superspace”
- 17:20–18:10 K. Ohta** (RIKEN)
“Discrete Matrix Models and Topological Strings”
-

Wednesday, November 9

Discussions by participants

Thursday, November 10

- 9:00–9:50 F. Schaffhauser** (Keio U.)
“Introduction to Quasi-Hamiltonian Geometry”
- 10:00–10:50 H. Sato** (Nagoya U.)
“Differential Equations and Schwarzian Derivatives”
- 10:50–11:10 TEA**
- 11:10–12:00 A. Sako** (Keio U.)
“ $\mathcal{N} = 2$ Supersymmetric Gauge Theories on the 4-dimensional Noncommutative Euclidean Space”
- 14:00–14:50 Z. Chen** (CNU, Beijing)
“The Localization of Cohomology of Transitive Lie Algebroid”
- 14:00–14:50 S. Dobluvskiy** (Keio University)
“On Invariants of Fedosov Manifolds”
- 15:50–16:20 TEA**
- 16:30–17:20 K. Mikami** (Akita U.)
“Algebroids associated with pre-Poisson Structures”
- 17:30–18:20 H. Omori** (SUT)
“Strange world of q -number functions”
- 18:20– Ending**