

Workshop

on

Categorical Algebra, Deformation Theory and Field Theory, II

*Conference Room, 1st floor, Department of Mathematics,
Graduate school of Science, Kyoto University*

December, 16 – December, 20, 2002

Organizers

Kenji Fukaya (Kyoto), Masa-Hiko Saito (Kobe)

December, 16, (Monday)

- 14:00–15:00, Paul Seidel, (Imperial College, England)
Some remarks on mirror symmetry for the quartic surface
- 15:30–16:30, Takeo Nishinou (Kyoto):
Lagrangian submanifold associated with a family of stable bundles

December 17, (Tuesday)

- 10:30–11:30, Claus Hertling (MPI, Bonn)
Frobenius manifolds and tt^ geometry for singularities*
- 13:00–14:00, Atsushi Takahashi (RIMS, Kyoto)
A construction of primitive form from tt^ geometry*
- 14:30–15:30, Kiyokazu Nagatomo (Osaka)
Conformal Field Theory over the projective line and beyond
- 16:00–17:00, Akira Ishii (Kyoto)
Flops of G -Hilb and equivalences of derived categories by variation of GIT quotient

December 18, (Wednesday)

- 10:00–11:00, Alexander Voronov, (University of Minnesota):
Brane Topology
- 11:30–12:30, Tomoyoshi Yoshida, (Tokyo Inst. of Technology):
A generalization of Kac's character formula to higher genus Riemann surfaces in $SU(2)$ WZW model.

December 19, (Thursday)

- 10:30–11:30, Shinobu Hosono, (Tokyo):
Classification of $c = 2$ rational conformal field theory via Gauss' product
- 13:30–14:30, Youjin Zhang (Tsinghua University)
Normal forms of hierarchies of integrable PDEs and Frobenius manifolds
- 15:30–16:30, Toshiaki Maeno (Kyoto)
 A_∞ -deformation of representations of groups

December 20, (Friday)

- 10:00–11:00 Michael Penkava (University of Wisconsin)
Examples of Infinity Algebras and their Deformations
- 11:30–12:30 Yasuyuki Kawahigashi (Tokyo):
Classification of operator algebraic conformal field theories by representation categories

Program will be updated in the following homepage:

<http://www.math.kobe-u.ac.jp/HOME/mhsaito/fukaya2002.html>

All questions and comments on this conference should be sent to the organizers, Kenji Fukaya or Masa-Hiko Saito.

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