Taniguchi Symposium

INTEGRABLE SYSTEMS AND ALGEBRAIC GEOMETRY

June, 11, 1997

Organizers Masa-Hiko Saito (Kobe), Yuji Shimizu(Kyoto), Kenji Ueno (Kyoto)

1.Date July, 7 (Mo), 1997 – July 11 (Fr), 1997.

2.Place: Room 420, RIMS, Kyoto University, Kyoto, Japan Telephone: 075–753–7206

3.Program

July, 7, (Monday)

- 13:30 – 14:30: B.Dubrovin (SISSA, Trieste)
  On Algebraic Solutions of Certain Painlevé-VI Differential Equations
- 14:45 –15:45: M. Noumi & Y. Yamada, (Kobe)
  Some remarks on integrable hierarchy associated with Gauss-Manin system
- 16:00 – 17:00: T. Maeno, (Kyoto)
  Extended Bruhat ordering and quantum Schubert calculus

July, 8, (Tuesday)

- 9:30–10:30: Y.Namikawa, (Sophia Univ., Tokyo)
  A construction of flops by deformation theory
- 10:45–11:45: V.Batyrev (Tübingen)
  String-theoretic Hodge numbers of singular varieties
- 13:30 – 14:30: J.Stienstra (Utrecht)
  Hypergeometric functions, mixed motives, and mirror symmetry
- 14:45 –15:45: M.-H.Saito, (Kobe)
  Mordell-Weil lattices and mirror symmetry
- 16:00 – 17:00: A. Miwa, (Kyoto)
  On a compactification of families of Calabi-Yau hypersurfaces in toric varieties

July, 9, (Wednesday)

- 9:30–10:30: M.Kobayashi,(Tokyo Inst. of Tech.)
  On real slice of modification
- 10:45–11:45: M.Kapranov (Northwestern)
  Hecke operators related to 2-dimensional local fields
- 13:30 – 14:30: T. Terasoma, (Tokyo)
  Local systems and algebraic correspondence for hypergeometric functions
- 14:45 –15:45: Y.Shimizu, (Kyoto)
  A cohomology class arising from conformal field theory
- 16:00 – 17:00: H. Umemura (Nagoya)
  Some aspects of special polynomials associated with the Painlevé equations

July, 10, (Thursday)

- 9:30–10:30: S. Mukai, (Nagoya)
  Complete moduli of abelian surfaces and regular polyhedra
- 10:45–11:45: E.Getzler (Northwestern)
  Topological recursion relations in genus 2
- 13:30 – 14:30: T. Eguchi, (Tokyo)
  Quantum cohomology and Virasoro algebra
- 14:45 –15:45: M.Gross (Cornell)
  The Strominger-Yau-Zaslow Mirror Symmetry Construction
- 16:00 – 17:00: T.Kawai, (RIMS, Kyoto)
  Elliptic genus

July, 11, (Friday)

- 9:30–10:30: S. Hosono, (Toyama)
  Type IIA monodromy of Calabi-Yau manifolds
- 10:45–11:45: R.Donagi (IAS & Pennsylvania)
  Some Integrable Systems in High Energy Physics

Please see also Home Pages
http://www.math.s.kobe-u.ac.jp/HOME/mhsaito/index.html,
http://www.math.s.kobe-u.ac.jp/HOME/mhsaito/rimspg.html,
which is updated from time to time.