

Workshop “Geometry and analysis on complex algebraic varieties”
 11th - 15th December, 2006
 Room 202, RIMS, Kyoto University

Program

- December 11 (Monday)
- 9:30–9:45 Opening
- 9:45–10:45 H. Terao (Hokkaido University)
 Basic properties of multiarrangements
- 11:00–12:00 M. Yoshinaga (ICTP, Trieste)
 Characterizations of free arrangements
- 13:30–14:30 I. Dolgachev (University of Michigan)
 Logarithmic sheaves attached to arrangements of hyperplanes
- 14:45–15:45 F.-J. Castro-Jiménez (University of Seville)
 Computational Methods for testing the range of validity of the LCT
- 16:00–17:00 T. Abe (Hokkaido University)
 Construction of rank two reflexive sheaves from finite fields
- December 12 (Tuesday)
- 9:45–10:45 S. Tajima (Niigata University)
 On holonomic D-modules attached to a family of non
 quasihomogeneous hypersurface isolated singularities
- 11:00–12:00 T. Sadykov (Krasnoyarsk State University)
 Algebraic functions as solutions of holonomic systems of
 partial differential equations
- 13:30–14:30 K. Takeuchi (Tsukuba University)
 A generalization of Lefschetz fixed point theorems for constructible
 sheaves (joint work with Y. Matsui)
- 14:45–15:45 F. Bracci (University of Rome 2)
 Localization of characteristic classes on singular varieties and
 dynamics of holomorphic diffeomorphisms
- 16:00–17:00 A. Shchuplev (Krasnoyarsk State University)
 A new proof of the Vidras-Yger theorem for the total sum of residues
- 18:00–20:00 Reception at Camphora (075-753-7628)
- December 13 (Wednesday)
- 9:45–10:45 E. Materov (Krasnoyarsk State University)
 Toric duality for quotient rings
- 11:00–12:00 D. Mond (University of Warwick)
 Linear free divisors

- 12:10-13:10 Sergey Yuzvinsky (University of Oregon)
Split fibers in pencils of hypersurfaces
- December 14 (Thursday)
- 9:45-10:45 L. Fehér (Eötvös Loránd University)
The structure of Thom polynomials - Localization
(joint work with R. Rimanyi)
- 11:00-12:00 T. Ohmoto (Hokkaido University)
Generating functions of orbifold Chern classes: Hilbert schemes
- 13:30-14:30 T. Izawa (Hokkaido University)
Residues of codimension one singular holomorphic distributions
- 14:45-15:45 J. Sekiguchi (Tokyo University of Agriculture and Technology)
Three dimensional Saito free divisors and deformations of singular curves
- 16:00-17:00 T. Ishibe and K. Saito (RIMS, Kyoto University)
On the fundamental groups of complements of free divisors
- December 15 (Friday)
- 9:45-10:45 K. Ueda (Osaka University)
Coamoeba and mirror symmetry
- 11:00-12:00 I. Antipova (Krasnoyarsk State Technical University)
Mellin transforms and algebraic equations
- 13:30-14:30 M. Kazarian (Steklov Institute of Mathematics)
TBA
- 14:45-15:45 S. Tanabe (Kumamoto University)
Gauss-Manin system associated to the singularity of projection
- 16:00-17:00 A. Aleksandrov (Institute for Control Sciences, RAS)
The index of vector fields and logarithmic differential forms