

Topology of singularities and related topics, II

January 5—January 9, 2011

Tohoku University, Kawai Hall in Aobayama Campus (January 5—8)
Sakura Hall in Katahira Campus (January 9)

January 5 (Wed)

13:30—13:55 Registration

13:55—14:00 Opening Ceremony

14:00—14:50 Saito Kyoji

Vanishing cycles of types $A_{\frac{1}{2}\infty}$ and $D_{\frac{1}{2}\infty}$

— Coffee break —

15:20—16:10 Hà Huy Vui

Lojasiewicz inequality near the zero fiber

16:20—17:10 Jean-Paul Brasselet

Characteristic classes of singular varieties and motivic theory

January 6 (Thu)

9:30—10:20 Usui Sampei

Log mixed Hodge theory and applications (joint with K. Kato and C. Nakayama)

— Coffee break —

10:50—11:40 Nguyễn Văn Châu

Rational polynomials and the plane Jacobian problem

11:50—12:40 Oda Tadao

Convex polyhedral tilings hidden in crystal lattices — an unexpected application of algebraic geometry

— Lunch —

14:00—14:50 Vincent Blanlœil

Topology of Brieskorn singularities

— Coffee break —

15:20—16:10 Yoshinaga Masahiko

On irreducibility of the moduli space of line arrangements

16:20—17:10 Nguyễn Tất Thắng

On the topology of rational functions in two complex variables

January 7 (Fri)

- 9:30—10:20 Ohmoto Toru
Equivariant Chern class for toric singularities
— Coffee break —
- 10:50—11:40 Phạm Tiến Sơn
The Łojasiewicz exponent of a subanalytic function at an isolated zero
— Lunch —
- 13:00— Excursion
- 18:30— Banquet

January 8 (Sat)

- 9:30—10:20 Andrei Pajitnov
Circle-valued Morse theory for complex hyperplane arrangements
— Coffee break —
- 10:50—11:40 Namba Makoto
Moduli of quaternion tori
- 11:50—12:40 Ishikawa Masaharu
Milnor fibrations and contact structures on S^3
— Lunch —
- 14:00—14:50 Saeki Osamu
Connected components of regular fibers of differentiable maps
— Coffee break —
- 15:20—16:10 Đinh Sĩ Tiệp
Polynomial horizontal gradient for the standard Engel structure
- 16:20—17:10 Takao Kazuto
Normalization of the Rubinstein-Scharlemann graphic of Morse functions

January 9 (Sun)

- 9:30—10:20 Nishimura Takashi
Module of vector fields liftable over a finitely determined multigerms
— Coffee break —
- 10:50—11:40 Nguyễn Khắc Việt
Speculations on Pencils of Curves
- 11:40—11:45 Closing Ceremony

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