

Singularities and invariants of higher dimensional algebraic varieties

1. Venue : Room 111, Research Institute for Mathematical Sciences, Kyoto University

2. Period : Dec. 14 (Mon) – Dec. 18 (Fri.)

3. Timetable :

	Dec. 14	Dec. 15	Dec. 16	Dec. 17	Dec. 18
10:00-11:00	Ishii	Hara	Sannai	Kanemitsu	Fujita
11:30-12:30	Niu	Kurano	Ejiri	Nagai	Namikawa
14:30-15:30	Suzuki	Sano	Hirokado	Nakamura	
16:00-17:00	Ito	Jiang	Kawanoue	Kawakita	

Titles :

Dec. 14 (Mon).

10:00 – 11:00 : Shihoko Ishii (Univ. of Tokyo)

Complete intersection models and applications

11:30 – 12:30 : Wenbo Niu (Arkansas)

Multiplier ideals on arbitrary varieties

14:30 – 15:30 : Fumiaki Suzuki (Univ. of Tokyo)

Birational rigidity of complete intersections

16:00 – 17:00 : Atsushi Ito (Kyoto Univ.)

Kobayashi hyperbolic imbeddings into quadric and cubic surfaces

Dec. 15 (Tu.)

10:00 – 11:00 : Nobuo Hara (Tokyo Univ. of Agriculture and Technology)

A few remarks on Frobenius summands on rational surfaces

11:30 – 12:30 : Kazuya Kurano (Meiji Univ.)

On finite generation of symbolic Rees rings of space monomial curves

14:30 – 15:30 : Taro Sano (Kobe Univ.)

Deformations of \mathbb{Q} -Fano 3-folds and invariant of singularities

16:00 – 17:00 : Chen Jiang (Univ. of Tokyo)

How to measure singularities of log Fano pairs

Dec. 16 (Wen.)

10:00 – 11:00 : Sannai Akiyoshi (Univ. of Tokyo)

A characterization of ordinary Abelian varieties in positive characteristic

11:30 – 12:30 : Sho Ejiri (Univ. of Toyko)

Weak positivity theorem and Frobenius stable canonical rings of geometric generic fibers

14:30 – 15:30 : Masayuki Hirokado (Hiroshima City Univ.)

Three dimensional canonical singularities, simultaneous resolutions of deformations of rational double points in characteristic p

16:00 – 17:00 : Hiraku Kawanoue (RIMS)

Invariants for embedded resolution of surfaces

Dec. 17 (Thu.)

10:00 – 11:00 : Akihiro Kanemitsu (Univ. of Tokyo)

Campana-Peternell conjecture for n -folds with $\rho > n - 5$

11:30 – 12:30 : Yasunari Nagai (Waseda Univ.)

Symmetric product of a semistable degeneration of surfaces

14:30 – 15:30 : Yusuke Nakamura (Univ. of Tokyo)

On minimal log discrepancies on varieties with fixed Gorenstein index

16:00 – 17:00 : Masayuki Kawakita (RIMS)

On minimal log discrepancies

Dec. 18 (Fri.)

10:00 – 11:00 : Kento Fujita (Kyoto Univ.)

On Berman-Gibbs stability and K-stability of \mathbb{Q} -Fano varieties

11:30 – 12:30 : Yoshinori Namikawa (Kyoto Univ.)

A finiteness theorem for symplectic singularities