

Groups of Automorphisms in Birational and Affine Geometry
CIRM Trento October 29 - November 3, 2012

Schedule

Monday, October 29

- (1) 9.00-9.45 KLAUS ALTMANN : Merging divisorial with colored fans
- (2) 10.00-10.45 MARCO ANDREATTA : Minimal Model Program and Adjunction Theory
Coffee break
- (3) 11.15-12.00 JÉRÉMY BLANC : On the structure of the Cremona groups
- (4) 15.30-16.15 SERGE CANTAT : Abelian subgroup of the Cremona group
Coffee break
- (5) 17.00-17.45 ALESSIO CORTI : Some open questions on quartic 3-folds

Tuesday, October 30

- (1) 9.00-9.45 TOMMASO DE FERNEX : Birational automorphisms of Fano hypersurfaces of index one
- (2) 10.00-10.45 HAMID AHMADINEZHAD : Birational nonrigidity of Fano fibre spaces
Coffee break
- (3) 11.15-12.00 VLADIMIR LAZIČ : Birational automorphisms of Calabi-Yau manifolds
- (4) 15.30-16.15 JÜRGEN HAUSEN : Explicit methods for Mori dream spaces
Coffee break
- (5) 17.00-17.45 IVAN ARZHANTSEV : The automorphism group of a variety with torus action of complexity one

Wednesday, October 31

- (1) 9.00-9.45 DE-QI ZHANG : Pseudo-automorphisms of positive entropy on the blowups of products of projective spaces
- (2) 10.00-10.45 HANSPETER KRAFT : Automorphism groups of affine varieties and vector fields
Coffee break
- (3) 11.15-12.00 SHIGERU KURODA : Wild automorphisms of a polynomial ring in three variables
- (4) 15.30-16.15 FRANK KUTZSCHEBAUCH : Holomorphic factorization of maps into the special linear group
Coffee break
- (5) 17.00-17.45 STÉPHANE LAMY : Automorphisms of some affine threefolds

Thursday, November 1

- (1) 9.00-9.45 TAKASHI KISHIMOTO : An application of the minimal model program in studies on affine algebraic threefolds
- (2) 10.00-10.45 ALEXEI YA. KANEL-BELOV : $\text{Aut}(K[x_1, \dots, x_n])$ as ind-scheme and Kontsevich conjecture
Coffee break
- (3) 11.15-12.00 FRÉDÉRIC MANGOLTE : Cremona transformations, diffeomorphisms of surfaces and approximation by (-1)-curves
14.30-15.30 - Poster session
- (4) 15.30-16.15 MASAYOSHI MIYANISHI : Surjective vector fields on affine algebraic varieties
Coffee break
- (5) 17.00-17.45 PETER RUSSELL : Relative linearization, particularly in relative dimension 2

Friday, November 2

- (1) 9.00-9.45 LUCY MOSER-JAUSLIN : Automorphism groups of certain rational hypersurfaces in complex affine four-space
- (2) 10.00-10.45 VLADIMIR L. POPOV : Jordan groups and automorphism groups of algebraic varieties
Coffee break
- (3) 11.15-12.00 CONSTANTIN SHRAMOV : Jordan property for Cremona groups
- (4) 15.30-16.15 HENDRIK SÜSS : Log-canonical thresholds under torus quotients
Coffee break
- (5) 17.00-17.45 ADRIEN DUBOULOZ : Exotic affine spheres

Saturday, November 3

- (1) 9.00-9.45 JÖRG WINKELMANN : Non-linearizable actions of reductive groups
- (2) 10.00-10.45 DAVID WRIGHT : Survey on Polynomial Automorphism Groups
Coffee break
- (3) 11.00-11.45 FRANCESCO RUSSO : Special birational maps defined by quadratic equations

October 20, 2012