

Centre de recherches mathématiques
Université de Montréal

Géométrie algébrique affine. Un atelier en l'honneur de Peter Russell
Du 1 au 5 juin 2009

Affine Algebraic Geometry. A Conference in honour of Peter Russell
June 1-5, 2009

HORAIRE / PROGRAM

Le lundi 1 juin 2009 / Monday, June 1, 2009

09:15 - 09:30 Inscription et Café (920, Burnside Hall, McGill University) / *Registration and Coffee (920, Burnside Hall, McGill University)*

09:30 - 10:20 **Paul Roberts** (University of Utah)
“Almost Cohen-Macaulay algebras”

10:30 - 11:20 **Vikram Mehta** (Tata Institute of Fundamental Research)
“The conjectures of Nori and Denninger-Werner and the local fundamental group-scheme”

11:20 - 11:50 Pause-café / *Coffee break*

11:50 - 12:40 **Masayoshi Miyanishi** (Kwansei Gakuin University)
“Characteristic p phenomena in affine geometry”

12:40 - 15:00 Pause-déjeuner / *Lunch break*

15:00 - 15:50 **Matam Pavaman Murthy** (University of Chicago)
“Unimodular Rows”

15:50 - 16:20 Pause-café / *Coffee break*

16:20 - 17:10 **Yoshifumi Takeda** (Wakayama Medical University)
“Groups of Russell type and Tango structures”

Le mardi 2 juin 2009 / *Tuesday, June 2, 2009*

09:30 - 10:20 **Herbert Kurke** (Humboldt-Universität zu Berlin)

“À venir”

“TBA”

10:30 - 11:20 **Marko Roczen** (Humboldt-Universität zu Berlin)

“*Motivic invariants of isolated singularities*”

11:20 - 11:50 Pause-café / *Coffee break*

11:50 - 12:40 **Stepan Orevkov** (Université Paul Sabatier)

“*On algebraic and pseudoholomorphic plane curves*”

12:40 - 15:00 Pause-déjeuner / *Lunch break*

15:00 - 15:50 **Avinash Sathaye** (University of Kentucky)

“*Discriminant of a curve with two places at infinity*”

15:50 - 16:20 Pause-café / *Coffee break*

16:20 - 17:10 **Pierrette Cassou-Noguès** (Université Bordeaux 1)

“*Rational polynomials and Danielewski surfaces*”

Le mercredi 3 juin 2009 / *Wednesday, June 3, 2009*

- 09:30 - 10:20 **David Wright** (Washington University in St. Louis)
“Commutator formulas for polynomial automorphisms”
- 10:30 - 11:20 **Steven Shin-Yi Lu** (UQAM)
“Curves on surfaces of log-general type”
- 11:20 - 11:50 Pause-café / *Coffee break*
- 11:50 - 12:40 **Shigeru Kuroda** (Tokyo Metropolitan University)
“Initial algebras and the Jung-van der Kulk theorem”
- 12:40 - 15:00 Pause-déjeuner / *Lunch break*
- 15:00 - 15:50 **Jason Bell** (Simon Fraser University)
“Automorphisms of affine varieties and the Skolem-Mahler-Lech theorem”
- 15:50 - 16:20 Pause-café / *Coffee break*
- 16:20 - 16:45 **Karol Palka** (Polish Academy of Sciences)
“Singular Q -homology planes”
- 16:50 - 17:15 À venir / *TBA*

Le jeudi 4 juin 2009 / *Thursday, June 4, 2009*

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- 09:30 - 10:20 Kayo Masuda** (Kwansei Gakuin University)
“Homogeneous locally nilpotent derivations and embeddings of affine spaces”
- 10:30 - 11:20 Stéphane Vénéreau** (Universität Basel)
“On finding variables in $k[X, Y, Z_1, \dots, Z_n]$ ”
- 11:20 - 11:50** Pause-café / *Coffee break*
- 11:50 - 12:40 Zbigniew Jelonek** (Polish Academy of Sciences)
“How to constructs varieties without cancellation property?”
- 12:40 - 15:00** Pause-déjeuner / *Lunch break*
- 15:00 - 15:50 Lucy Moser-Jauslin** (Université de Bourgogne)
“Some results on the Koras-Russell cubic threefold”
- 15:50 - 16:20** Pause-café / *Coffee break*
- 16:20 - 17:10 Gene Freudenburg** (Western Michigan University)
“Embeddings of affine space using Chebyshev polynomials and their successors”

Le vendredi 5 juin 2009 / *Friday, June 5, 2009*

09:30 - 10:20 **Mariusz Koras** (Warsaw University)

“Linearization of C^ -actions and related problems”*

10:30 - 11:20 **Daniel Daigle** (Université d’Ottawa)

“Hypersurfaces of \mathbb{A}^3 with trivial Makar-Limanov invariant”

11:20 - 11:50 Pause-café / *Coffee break*

11:50 - 12:40 **Hubert Flenner** (Ruhr University Bochum)

“Uniqueness of C^ -action”*

12:40 - 15:00 Pause-déjeuner / *Lunch break*

15:00 - 15:50 **Vladimir Popov** (Steklov Mathematical Institut)

“Two orbits: when is one in the closure of the other?”

15:50 - 16:20 Pause-café / *Coffee break*

16:20 - 17:10 **Rajendra Vasant Gurjar** (Tata Institute of Fundamental Research)

“Some inequalities between order of the divisor class group and multiplicity of rational surface singularities”