

CURRICULUM VITAE

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be born on 1971/01/19, Mauritanian
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Education and qualifications

- 2002-2004 Postdoctoral Fellowship “Japan Society for the promotion of Science” collaborate with Professor T. Fukui, university of Saitama, Japan.
- 2001-2002 Teaching assistant, university of Nouakchott, Mauritania
- 2000-2001 Assistant position, university of Angers, France
- 1997-2000 Ph. D. student, university of Angers, France
- 1996-1997 D.E.A. (Master) of Algebraic Geometry, university of Nantes, France
- 1995-1996 4 year degree in fundamental mathematics, university of Reims, France

Ph. D. thesis

- Advisor Professor Adam Parusiński, university of Angers, France
title *Polyèdre de Newton et trivialité en famille*
defended on 2000, june the 16th at the university of Angers, France, with distinction (trés honorable)
- Jury J. M. Granger (Angers, France), J. Bochnak (Vrije Universiteit Amsterdam, Netherlands), M. Merle (Nice, France), C. McCrory (Georgie, USA), L. Paunescu (Sydney, Australia), Ph. Dubois, J. -Ph. Monnier (Angers, France)

Fields of interest

Equisingularity problem of real and complex singularities,
stratification theory, Newton polyhedron, stability and sufficiency of map-germs
singularities, blow-analytic equivalence, zeta functions

Publications

- 1 *Un critère de C_w^k -suffisance de jet*, **Preprint** n° 64, The University of Angers, Contributed talk in the colloquium on singularities of Angers, May 1998.
- 2 *Polyèdre de Newton et trivialité en famille*, **J. Math. Soc. of Japan** Vol. 54, n°3 (2002), 513-550.
- 3 *Stratification theory from the Newton polyhedron point of view*, **Ann. Inst. Fourier**, Vol. 54, n° 2 (2004), 235-252
- 4 *Characterization of v -sufficiency from the Newton filtration*, to appear in **Manuscripta Math.**
- 5 *On the Lojasiewicz exponent and Newton polyhedron*, to appear in **Kodai Math. J.**
- 6 *Weighted homogeneous polynomials and blow-analytic equivalence*, **submitted**, 2004
- 7 *On the deformation with constant Milnor number and Newton polyhedron*, **submitted**, 2004

Other

- *Weighted homogeneous polynomials and blow-analytic equivalence*, Hokkaido university technical rapport series in mathematics, **series 78**, 143-147 september, 2003, 38-42
- *Polyèdre de Newton et trivialité en famille*, **PhD thesis** n° 471, The University of Angers, june 2000

Talks during colloquia/Seminar

- 1 On the deformation with constant Milnor number and Newton polyhedron, Workshop on the Topology of hypersurface, Organized by Professor Mutsuo Oka, Tokyo Metropolitan University, (Japan), 22 september 2004
- 2 On the deformation with constant Milnor number and Newton polyhedron, Seminar on Thursday, Saitama University, (Japan), 16 july 2004
- 3 V -sufficiency and Newton polyhedron, Symposium “Contact structure of the Singularity”, Matsumoto, (Japan) 22 january 2004
- 4 Characterization of v -sufficiency from the Newton filtration, Kwansai Seminar on Differential Analysis 2004, Kinki University, (Japan) 5 january 2004
- 5 Stratification theory from the Newton polyhedron point of view, Singularity theory seminar, Organized by Professor Mutsuo Oka, Tokyo Metropolitan University, (Japan), 19 september 2004

- 6 Weighted homogeneous polynomials and blow-analytic equivalence, Mathematical Society of Japan, 12th International Research Institute, Singularity Theory and Its Applications, Sapporo Convention center (Sapporo, Japan), 24 september 2003
- 7 Weighted homogeneous polynomials and blow-analytic equivalence, Kwansai Seminar on Differential Analysis, Kinki University, (Japan), 3 september 2003
- 8 Kuiper-Kuo Theorem, Seminar on Thursday, Saitama University, (Japan), 19 june 2003
- 9 Weighted homogeneous polynomials and blow-analytic equivalence, Seminar on Algebraic Geometry 2003, Organized by Professor Fumio Sakai, Saitama University, (Japan), 4 march 2003
- 10 *Subdivision d'OKA pour la désingularisation d'une famille à singularité isolée* Seminar on "Variétés toriques", Angers University, (France) 8 february 2001
- 11 *Singularités et polyèdres de Newton*, Rencontres Doctorales de l'ouest, (Rennes, France), 7 april 2000
- 12 *Trivialisation analytique après modification torique de R^n* , Seminar on "Variétés toriques", Angers University, (France), 5 february 1999
- 13 *Un critère de C_w^k -suffisance de jet*, colloque "Singularités", The University of Angers, (France), 20 may 1998

International-Colloquim

- 1 Singularities in Geometry and Topology, Franco-Japanese Symposium on Singularities, (Sapporo, Japan), 13-17 september 2004
- 2 Singularity Theory - in honor of Stanislaw Łojasiewicz (Cracow, Poland), 22-29 March 2004
- 3 Mathematical Society of Japan, 12th International Research Institute, Singularity Theory and Its Applications, Sapporo Convention center (Sapporo, Japan), 16-25 september 2003
- 4 Winter School and Conference on Real Algebraic and Analytic Geometry and Motivic Integration Aussois (Savoie, France), 6-12 january 2003
- 5 Real and complex singularities II , The University of Kagoshima (Kagoshima, Japan), 9-12 december 2002
- 6 MSCHOOL ON Singularities of differentiable mappings, Lille 1 University (Lille, France), may 31 - june 4 1999

Research References

- A. Parusiński, département de mathématiques, université d'Angers, 49045 Angers cedex, France
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- T. Fukui, department of mathematics, Saitama university, 255 Shimo-Okubo, Sakura-Ku, Saitama, 338-8570, Japan
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- S. Koike, department of mathematics, Hyogo university of teacher education 942-1 Shimokum, Kato, Yashiro, 637-1494 Japan
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