

Personal Information

Birth date and place: November 13, 1982; Casa Branca - Brazil.

Nationality and Marital Status: Brazilian. Married, without children.

Professional Address:

Instituto de Ciências Matemáticas e de Computação - USP

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Education

2009: Ph.D. in Mathematics.

Universidade de São Paulo, São Carlos - SP, Brazil;

Université de Lille 1, Lille, France.

Title: Regularity at infinity and global fibrations of real algebraic maps.

Advisors: Maria Aparecida Soares Ruas (São Carlos), Mihai Marius Tibăr (Lille).

Brazilian Grants: FAPESP-Proc. 2008/10563-4 and CAPES-Proc. 2929/10-04.

Keywords: Semi-algebraic mappings, trivial fibration, atypical and bifurcation values, regularity conditions, singularity at infinity, t -regularity, ρ -regularity, Newton polyhedron.

2007-2009: Master in Mathematics.

Universidade de São Paulo, São Carlos - SP, Brazil.

Title: Singularities of families of symmetric matrices.

Year of degree: 2009.

Advisor: Ana Claudia Nabarro.

Brazilian grant: Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPQ).

2004-2006: Graduate in Licenciatura em Matemática.

Faculdade de Filosofia Ciências e Letras de São José do Rio Pardo, São José do Rio Pardo, Brazil.

2006-2006: Scientific Initiation.

Faculdade de Filosofia Ciências e Letras de São José do Rio Pardo, São José do Rio Pardo, Brazil.

Advisor: José Carlos de Souza Júnior.

Publication and Preprints

2012: L.R.G. Dias, M. Tibăr, M.A.S. Ruas, *Regularity at infinity of real mappings and a Morse-Sard theorem*, J. Topology 5 (2012) 323-340.

2012: Y. Chen, L.R.G. Dias, M. Tibăr, *On Newton non-degeneracy of polynomial mappings*, preprint (2012), arXiv: 1207.1612v1.

Participation, Talks and Poster

07/2012: 12th International Workshop on Real and Complex Singularities, USP São Carlos, Brazil. Talk: *Atypical values and regularity conditions at infinity*.

02/2012: Workshop em Teoria Algébrica de Singularidades UFF, Niterói, Brazil. Talk: *Regularity conditions at infinity of polynomial mappings*.

11/2011: I Workshop da Pós Graduação do ICMC, USP São Carlos, Brazil. Talk: *Regularity at infinity of real mappings*.

06/2011: Real Algebraic Geometry Conference, Rennes, France.

07/2010: 11th International Workshop on Real and Complex Singularities, USP São Carlos, Brazil.

02/2010: Workshop Teoria Algébrica de Singularidades UFF, Niterói, Brazil. Poster: *Real polynomial mappings at infinity*.

02/2009: VII Mini Workshop Singularidades, Geometria e Equações Diferenciais, USP São Carlos, Brazil.

07/2008: 10th International Workshop on Real and Complex Singularities, USP São Carlos, Brazil.

Prize

2010: Menção honrosa de dissertação de matemática no prêmio Carlos Gutierrez, ICMC - USP.

2006: Melhor Aluno entre os formandos de 2006, for the best final mark of the Faculdade Filosofia Ciências e Letras de São José do Rio Pardo, 2006.