

CURRICULUM VITAE

(April 2011)

1. NAME, ADDRESS AND POSITION

Name: Ivan Pan

Professional address: Facultad de Ciencias, Centro de Matemática
, Iguá 4225 Esq. Mataojo C.P. 11400 Montevideo.

Position: Professor Agregado (since 2009).

Grant: Agencia Nacional de Investigación e Innovación.

2. ACADEMIC BACKGROUND

- (1) **1983-1988:** Licenciatura en Matemática, Universidad de la República, in Montevideo (Uruguay)
Title: *El teorema de la fibración de Milnor.*
Adviser: Walter Ferrer
- (2) **1990-1992:** Mestrado em Matemática, Universidade Federal do Rio Grande do Sul, in Porto Alegre (Brazil)
Title: *Estabilidade e Permanência na equação de Lotka-Volterra*
Adviser: Claus Ivo Doering.
- (3) **1992-1996** Doctorat ès Sciences, Mention Mathématiques, Université de Genève (Switzerland)
Title: *Sur les transformations de Cremona de bidegré (3,3).*
Adviser: Thierry Vust.
- (4) **1996-1997:** Postdoctoral research in University of Rio Grande do Sul.

3. PROFESSIONAL EXPERIENCE

1998-2009: Professor at Departamento de Matemática Pura e Aplicada, Universidade Federal do Rio Grande do Sul (Brazil).

4. STUDENTS

- (1) Sílvio dos Santos, Magister: monograph presented in 2000.
- (2) Rodrigo Braga, Magister: monograph presented in 2003.
- (3) Leandro Colau Merlo, Magister: monograph presented in 2004.
- (4) João Helder, Magister: monograph presented in 2009.
- (5) Rafael Cavanhe, Magister: monograph presented in 2009.
- (6) Leandro Colau Merlo, Doctoral Thesis presented in 2009.

5. PUBLICATIONS

5.1. Books.

- (1) With M. Sebastiani, *Les équations différentielles algébriques et les singularités mobiles*, Publicações Matemáticas, IMPA. 2001, 100 pages.

- (2) With M. Sebastiani, *Les équations différentielles algébriques et les singularités mobiles*, Ensaio Matemáticos, Braz.Math. Society. 2004, 131 pages (Completed version).

5.2. Articles.

- (1) ———, *Sur les transformations de Cremona de bidegré (3,3)*, l'Enseig. Math. v.43, n.3-4 (1997), pp. 285-297.
- (2) ———, *Une remarque sur la génération du groupe de Cremona*, Bol. Soc. Bras. Mat., v.30 (1999), n.1, pp. 95-98.
- (3) ———, *Les applications rationnelles déterminantielles de degré n* , Acad. Bras. Ciê., v.71, n.3 (1999), pp. 311-319.
- (4) ———, *Sur le multidegré des transformations de Cremona*, Comp. Rend. Acad. Sci., v.330 (2000), pp. 297-300.
- (5) with F. Ronga and T. Vust, *Transformations birationnelles quadratiques de l'espace projective complexe*. Ann. Inst. Fourier, v.51,n.5 (2001), pp. 1153-1187.
- (6) with M. Sebastiani, *Sur les équations différentielles algébriques admettant des solutions avec une singularité essentielle*, Ann. Inst. Fourier, v.51,(2001) pp. 1621-1633.
- (7) ———, *Sur les transformations de Cremona Stellaires*, Proc. Ame. Math. Soc., n.129 (2001), pp. 1257-1262.
- (8) ———, *Quelques remarques sur les d -webs et un problème proposé par D. Cerveau*, Bol. Asoc. Venezolana. Mat., v.10, n.1 (2003) pp.21-33.
- (9) with G.Gonzalez-Sprinberg, *On Monomial Birational Maps*, An. Acad. Bras. Ciên., v.75, n.2 (2003), pp.129-134.
- (10) with M. Sebastiani, *Classification des feuilletages turbulents*, Ann. Sci. Fac. Toulouse, Vol. XI, n.3 (2003), pp.395-413.
- (11) with F. Russo, *Cremona transformations and special double structures*, Manuscripta Mathematica, Vol. 177 (2005) pp.475-512.
- (12) ———, *Sur le premier degré dynamique des transformations de Cremona du plan qui stabilisent une courbe irrationnelle non-elliptique*, C.R.Acad.Sci.Paris, Ser.I 341 (2005), pp. 439-443.
- (13) with G. Gonzalez-Sprinberg, *On Characteristic Classes of Determinantal Cremona Transformations*, Mathematische Annalen 335 (2006), pp. 479-487.
- (14) with O. Calvo-Andrade and L. Gustavo Mendes, *Foliations with radial Kupka set and pencils of Calabi-Yau hypersurfaces*, Compositio Mathematica 142 (2006) pp. 1587-1593.
- (15) ———, *Sur le sous-groupe de décomposition d'une courbe irrationnelle dans le groupe de Cremona du plan*, Michigan Math. J. 55,(2007), pp. 285-298.
- (16) with J. Blanc and T. Vust, *Sur un théorème de Castelnuovo*, Bol. Soc. Mat. Bras. v. 39, (2008) pp. 61-80.

- (17) ——— *On birational properties of smooth codimension two determinantal varieties*, Pacific Journal of Mathematics, 237, 1, (2008) pp. 137-150.
- (18) with Dan Avritzer and G. Gonzalez-Sprinberg, *On Cremona Transformations and Quadratic Complex*, Rendiconti del Circolo Matematico di Palermo, 57, (2008) pp. 353-375.
- (19) with J.Blanc and Thierry Vust, *On birational transformations of paires in the complex plane*, Geometria Dedicata 139, (2009) pp. 57-73.
- (20) *On the untwisting of general de Jonquières and cubo-cubic Cremona Transformations of \mathbb{P}^3* , to appears in Beiträge Algebra and Geometry.