

# CV: Pedro Fortuny Ayuso

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- PERSONAL DATA
- ◇ **Birth:** Tarrasa (Barcelona, SPAIN) June 19, **1971**.
  - ◇ **Passport nr:** 13788983.
  - ◇ **Phone nr:** +34677279524, +34983298277.
- EDUCATION
- ◇ **PhD in Mathematics.**  
Universidad de Valladolid, October 1999. Topic: *Singularities of Ordinary Differential Equations (Algebraic Geometry)*. Qualif: *A with honours*.
  - ◇ **Graduate in Mathematics.**  
Universidad de Salamanca, 1994. Qualif: *A*.
  - ◇ **Fellowships awarded**
    - *Marie Curie* Post-Doctoral Fellowship (European Commission), at Queen Mary College, University of London. July 2001-January 2003.
    - Fellowship for finishing the PhD Dissertation, Universidad de Valladolid. January-June 2000.
    - Doctoral “FPU” fellowship, Spanish Ministry for Education and Science, 1996-1999.
    - Fellowship covering the University Yearly Registration Costs, 1989-1994.
- WORK EXPERIENCE
- ◇ **Network Administration (Freelance).**
    - Asociación Rincón, network for 25+ Windows XP clients using samba, sendmail, apache, MySQL, firewalling... Since March 2007.
    - Colegio Mayor Peñafiel, network for 8+ clients using samba, apache, sendmail, firewalling... Since 2001.
  - ◇ **Data Analysis (Freelance).** Development of a formula for the price of the public home-assistance service to severely dependent people for the “Comunidad Autónoma de Castilla y León”. December 2007-January 2008.
  - ◇ **Freelance Programmer.** Development of:
    - Interactive test managing program. (Full development). Perl, Javascript. Implemented for the Department of Modern History, Univ. of Valladolid (see a dummy sample at <http://pfortuny.sdf-eu.org/cgi-bin/itest.pl>).
  - ◇ **Google Quality Rater**, part-time job for Google (via Kelly Services), June-October 2005.
  - ◇ **Associate Professor**, Universidad Autónoma de Madrid, October 2000-June 2001.
- IT EXPERIENCE ETC
- ◇ **GSEC** (GIAC Security Essentials Certification), April 2008.
  - ◇ **Perl**, Apart from the Interactive Test program above, many other scripts.
  - ◇ **Java**, One of the aims of the Post-Doctoral Fellowship was to develop a Java module of symbolic computation for Ordinary Differential Equations.

- ◇ **Other Languages**, Advanced **C**, **Javascript**, proficient **Ruby** and basic **LISP** and **PHP**.
  - ◇ **Other**, advanced/expert user of **Maple**, **Maxima**, **MuPAD**. Knowledge of **Mathematica**. **Latex**, **HTML**, etc. . .
  - ◇ **SQL**, use (for development purposes) of **MySQL**, as admin and normal user.
- PUBLISHED PAPERS
- ◇ (Joint with F. Schweiger), *A New Symmetric Two-Dimensional Algorithm*, International Journal of Number Theory, Vol. 2, No. 4 (2006) 489-498
  - ◇ *Ramifications and Singularities of Foliations*, in “Transgressive Computing, a conference in honour of Jean Della Dora”, 2006.
  - ◇ *The Valuative Theory of Foliations*, Canadian Jour. of Mathematics, Vol **54** (5), 2002. pp. 897-915.
  - ◇ (Joint with F. Sanz), *Gradient Vector Fields do not generate Twister Dynamics*, Journal of Diff. Equations, **174**, 91-100 (2001).
  - ◇ (Joint with V. Cruceanu y P.M. Gadea), *A Survey on Paracomplex Geometry*, Rocky Mountain Journal of Mathematics, **26**, nr. 1, Winter 1996, pp. 83-115.
- CONFERENCES AND SCIENTIFIC MEETINGS
- ◇ *Transgressive Computing 2006 (A Conference in Honor of Jean Della Dora)*, Granada, April 2006. Title of talk: “Ramifications and Singularities of Foliations” .
  - ◇ *Geometrie Moderée et Integrales Abeliennes*, Marseille, June 2001. Title of talk: “3d Vector Fields, 3d Trajectories, 3d Valuations” .
  - ◇ *Journées CATHODE*, Marseille, April 2000. Title of talk: “A MuPAD package to compute solutions and invariants of plane vector fields” .
  - ◇ *Deux Journées Singulières*, Versailles (Paris), May 1999. Title of talk: “Valuations and Vector Fields” .
- RESEARCH PROJECTS
- ◇ **Singularities of Differential Equations and Foliations**, TMR Project, *European Commission*. From 1997 to 2000.
  - ◇ **CATHODE2**, ESPRIT Project 24490, *European Commission*. Main Researcher: E. Tournier (Grenoble). From 1997 to 2000.
  - ◇ **Singularities of Differential Equations II**, DGICYT Project (Spanish Ministry for Education and Science). Main Researcher: Felipe Cano Torres. From 1995 to 1999.
- ORGANISATION SKILLS
- ◇ **Organizer** of the *Conference in Honor of Prof. Aroca’s 60th Birthday* (International Mathematics Conference). 1-5 September 2006.
  - ◇ **Organizer** of the *Iberoamerican Mathematics Seminar*, from 1997 to 2000: monthly seminar in Valladolid, with participants from Salamanca and Madrid and invited speakers from all around the world.
  - ◇ **Editor** of the *Journal of the Iberoamerican Mathematics Seminar* “Singularities at Tordesillas”, from 1997 to 2000.
  - ◇ **Editor** of the preprint collection of the TMR network *Singularities of Differential Equations and Foliations*, from 1997 to 2000.
- OTHER INTERESTS ETC
- ◇ American Mathematical Society’s *Mathematical Reviews* reviewer, from 2001 to January 2007.
  - ◇ Financial Mathematics self-study: Hull, Wilmott’s *Introduction*, Korn & Korn. . .
  - ◇ Enjoy reading English Literature, and have done some amateur translations of T.S. Eliot and Wilfred Owen.
  - ◇ Have done a couple of for-profit English versions of papers on Art Criticism.