

CURRICULUM VITAE

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DIPLÔMES

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CURSUS

- 1982-1983: Baccalauréat C, TB. 1983-1985: Classes préparatoires (Louis-le-Grand). 1985: Reçu aux concours de l'Ecole Normale Supérieure et de l'Ecole Polytechnique. 1985-1989: Elève fonctionnaire stagiaire, Ecole Normale Supérieure (rue d'Ulm), puis titulaire d'une bourse de Recherche BFR-MRT (1989-1990).
- 1990-1993: Chargé de Recherches 2ème classe, CNRS, dans le Groupe de Physique Théorique du Laboratoire de Physique Quantique (URA 505), Institut de Recherche sur les Structures Atomiques et Moléculaires Complexes (IRSAMC), Université Paul Sabatier, Toulouse.
- 1993-2003: Chargé de Recherches 1ère classe, CNRS, au Ceremade (Centre de Recherche en MATHématiques de la DÉcision), UMR CNRS no. 7534.
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- Septembre 2010- : Directeur du Ceremade, UMR CNRS no. 7534.
- Mars 2011- : Vice-président de l'Université Paris-Dauphine, chargé de la Recherche.

SÉJOURS À L'ÉTRANGER

- 1998: Courant Institute, New York University, USA (3 mois).
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PUBLICATIONS

- [1] Jean Dolbeault and Maria J. Esteban. A scenario for symmetry breaking in Caffarelli-Kohn-Nirenberg inequalities. Technical report, Preprint Ceremade no. 1203, 2012.

- [2] Jean Dolbeault, Axel Klar, Clément Mouhot, and Christian Schmeiser. Exponential rate of convergence to equilibrium for a model describing fiber lay-down processes. Technical report, Preprint Ceremade no. 1202, 2012.
- [3] Manuel del Pino and Jean Dolbeault. The Euclidean Onofri inequality in higher dimensions. Technical report, Preprint Ceremade no. 1201, 2012.
- [4] *Free energies, nonlinear flows and functional inequalities*. Oberwolfach Report 55/2011, 2011.
- [5] Jean Dolbeault and Bruno Volzone. Improved Poincaré inequalities. Technical report, Preprint Ceremade no. 1105, 2011.
- [6] Jean Dolbeault and Giuseppe Toscani. Improved Sobolev’s inequalities, relative entropy and fast diffusion equations. Technical report, Preprint Ceremade no. 1104, 2011.
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- [8] Jean Dolbeault, Bruno Nazaret, and Giuseppe Savaré. From Poincaré to logarithmic Sobolev inequalities: a gradient flow approach. Technical report, Preprint Ceremade no. 1102, 2011.
- [9] Jean Dolbeault. Sobolev and Hardy-Littlewood-Sobolev inequalities: duality and fast diffusion. *Math. Res. Lett.*, 18(06):1037–1050, 2011.
- [10] Jean Dolbeault. Relative equilibria in continuous stellar dynamics. In Oberwolfach reports 54/2010, editor, *Classical and Quantum Mechanical Models of Many-Particle Systems*, volume 7, pages 3181–3183. Organised by Anton Arnold, Wien Eric Carlen, Piscataway Laurent Desvillettes, European Mathematical Society, 2010.
- [11] Jean Dolbeault and Maria J. Esteban. About existence, symmetry and symmetry breaking for extremal functions of some interpolation functional inequalities. In Helge Holden and Kenneth H. Karlsen, editors, *Nonlinear Partial Differential Equations*, volume 7 of *Abel Symposia*, pages 117–130. Springer Berlin Heidelberg, 2012. 10.1007/978-3-642-25361-4-6.
- [12] Jean Dolbeault and Maria J. Esteban. *Extremal functions in some interpolation inequalities: Symmetry, symmetry breaking and estimates of the best constants*, pages 178–182. Proceedings of the QMath11 Conference Mathematical Results in Quantum Physics, World Scientific, 2011.
- [13] Jean Dolbeault, Maria Esteban, Gabriella Tarantello, and Achilles Tertikas. Radial symmetry and symmetry breaking for some interpolation inequalities. *Calculus of Variations and Partial Differential Equations*, 42:461–485, 2011.
- [14] Gonca Aki, Jean Dolbeault, and Christof Sparber. Thermal effects in gravitational Hartree systems. *Annales Henri Poincaré*, 12:1055–1079, 2011.
- [15] Jean Dolbeault and Maria J. Esteban. Extremal functions for Caffarelli-Kohn-Nirenberg and logarithmic Hardy inequalities. Technical report, Preprint Ceremade no. 1005, 2010.
- [16] Jean Dolbeault and Giuseppe Toscani. Fast diffusion equations: matching large time asymptotics by relative entropy methods. *Kinetic and Related Models*, 4(3):701–716, 2011.
- [17] Jean Dolbeault, Clément Mouhot and Christian Schmeiser. Hypocoercivity for linear kinetic equations conserving mass. Technical report, Preprint Ceremade no. 1003, 2010.
- [18] Jean Dolbeault. Extremal functions and symmetry breaking in Caffarelli-Kohn-Nirenberg inequalities. In Oberwolfach reports 08/2010, editor, *Optimal Constants in the Theory of Sobolev Spaces and PDEs*, volume 7, pages 330–334. Organised by Andrea Cianchi, Firenze Maria J. Esteban, Paris Bernd Kawohl, Köln, European Mathematical Society, 2010.
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