

Welcome

Franck Boyer

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Full Professor

Former junior member of the [Institut Universitaire de France](#) (2016-2021)

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Short Curriculum Vitae

- Education in the Ecole Normale Supérieure de Cachan, France (1995-1999)
- PhD in 2001, Université Bordeaux 1
- Habilitation in 2006, Université de Provence
- CNRS researcher from 2001 to 2007
- Full professor since 2007
- Member of the editorial board of **ESAIM Proceedings**
- [Detailed Curriculum in French](#)

Research topics

- Modeling and numerical simulations
 - Multiphase flows
 - Porous media
 - Waterwaves
- Analysis of nonlinear PDEs issued from fluid mechanics
 - Multiphase flows (Cahn-Hilliard/Navier-Stokes)
 - Non-homogeneous outflow boundary conditions

- Qualitative behavior
- Analysis of Finite Volume Methods
 - Gradient reconstruction, nonlinear diffusion equations
 - Nonconforming meshes
 - Domain decompositions
- Control of PDEs
 - Null- or approximate-controllability properties for parabolic problems
 - Numerical analysis for null-control problems

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