

Laboratory of Mathematics and its Applications of PAU - UMR CNRS 5142

Welcome



The Laboratory of Mathematics and its Applications of Pau is part of the [CNRS](#) and of the University of Pau and Adour Region. It is a member of the [IPRA Federation FR 2952](#) and of the [Institute Carnot-isif](#)

Furthermore, the LMAP is associated with INRIA via 2 common teams, namely «Magique3D» and «Cagire».

- * **Probability and Statistics**

- * Stochastic modeling, probability,
- * Data analysis, statistical inference.

- * **Algebra and Geometry**

- * Algebraic geometry of projective space and low dimensional topology.

- * **Partial differential equations analysis**

- * Non linear partial differential equations and optimization.

- * **Analysis and Numerical Simulation**

- * Fluid mechanics, porous media, waves and turbulence,
- * Discretization methods for partial differential equations,
- * Approximation, moving mesh, High Performance

- * Petroleum engineering and reservoir simulation

- * Aerothermodynamics (combustion and cooling)

- * Hydrodynamics and pollutant transportation

- * Reliability and safety in industry

- * Sampling design and quality control

- * Data analysis and statistical methods for decision making

- * Environment and biology

↓ [Research](#) (pdf - 5,42 Mo)

