

Curriculum Vitae

Corentin BOISSY

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french, born on 4 june 1980.

I am “Maître de conférence” (assistant professor) at the university Aix-Marseille III. I do research in the LATP (Laboratoire d’Analyse, Topologie et Probabilité). My research topics are geometry, topology and dynamic in the moduli space of quadratic differentials, billiards in polygons, and interval exchanges.

Work Experience

- Feb 2009-June 2009** Invited in the Max Planck Insitut for Mathematics (Bonn).
Since Sept 2008 Maître de Conférence at university of Aix-Marseille 3 (Aix-Marseille University).
Oct 2004-Dec 2007 PhD student at the University of Rennes (advisor : A. Zorich).

Articles

1. “Configurations of saddle connections on quadratic differentials on \mathbb{CP}^1 and on hyperelliptic Riemann surfaces”, *Commentarii Mathematici Helvetici* **84** (2009) 757-791.
2. “Degenerations of quadratic differentials on \mathbb{CP}^1 ”, *Geometry and Topology* **12** (2008) 1345-1386.
3. “Dynamics and geometry of the Rauzy-Veech induction for quadratic differentials” (with E. Lanneau), *Ergodic Theory and Dynamical Systems* **29** (2009), pp 767-816
4. “Ends of strata on the moduli space of quadratic differentials”, *Geometria Dedicata*, to appear arXiv :1004.3129.
5. “Pseudo-Anosov homeomorphisms on hyperelliptic surfaces have large entropy”, avec E. Lanneau, *GAF*, to appear arXiv :1005.4148.
6. “Classification of Rauzy classes in the moduli space of quadratic differentials”, *DCDS A*, to appear, arXiv :0904.3826v1.
7. “Labeled Rauzy classes and framed translation surfaces ”, *Annales de l’institut Fourier*, to appear arXiv :1010.5719.