

Portofoliul de Articole

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Publicate

- Upper bound for the rate of convergence of a second functional in optimal alignment - with Raphael Hause and Henry Matzinger - in press in Bernoulli (see here: <http://www.bernoulli-society.org/index.php/publications/bernoulli-journal/bernoulli-journal-papers> or the pdf link <http://www.e-publications.org/ims/submission/BEJ/user/submissionFile/20462?confirm=488d42e4>)

- Refinements of the One Dimensional Free Poincare Inequality - with Christian Houdré - *International Mathematics Research Notices*, Issue 17, 2015, pp. 8116-8151

- A refinement of Brascamp-Lieb-Poincare inequality in one dimension - *Comptes Rendus Mathématique* volume 352, no. 1, January 2014, pp. 55–58

- Shy and Fixed-Distance Coupling on Riemannian Manifolds - with Mihai N. Pascu - *Stochastic Processes and their Applications* - Volume 126, Issue 2, February 2016, Pages 628–650

- A Stochastic Target Approach to Ricci Flow on Surfaces - with Robert W. Neel - *Annals of Probability*, volume 44, no. 2, Feb 2016, pp. 1341–1425

- Local One Dimensional Free Inequalities - *Journal of Functional Analysis*, volume 264, no. 6, March 2013, pp.1456–1479

- The One Dimensional Free Poincaré Inequality- with Michel Ledoux - *Transaction of AMS* 365 (2013), pp. 4811-4849

- Analyticity of Planar Limits of a Matrix Model - with Stavros Garoufalidis - *Annales Henri Poincaré* April 2013, volume 14, no. 3, pp 499-565

- Toeplitz algebras arising from actions of \mathbb{N}^r - with Iulian Popescu - *Revue Romaine de Mathématique pure et Appliquées* - 55, (2010), no. 3. 205-240

- Mass Transportation Proofs of Free Functional Inequalities, and Free Poincaré Inequalities - with Michel Ledoux - *Journal of Functional Analysis* volume 257 (2009), no. 4, 1175-1221

- General Tridiagonal Random Matrix Models, Limiting Distributions and Fluctuations - *Probability Theory and Related Fields*, volume 144, issue 1-2, May 2009, pp. 179-220

- Talagrand Inequality for the Semicircular Law and Energy of the Eigenvalues of Beta Ensembles - *Mathematical Research Letters*, volume 14, Issue 6, November 2007, pp. 1023-1032

- Morse Inequalities, a Function Space Integral Approach - *Journal of Functional Analysis* 235 (2006), no. 1, 1–68,

Acceptate cu revizii cerute

- Free Functional Inequalities on the Circle - accepted (pending revisions) in *Advances in Mathematics*

- Couplings of Brownian Motions of deterministic distance on the model spaces of constant curvature - with Mihai Pascu - accepted (pending revisions) in *Journal of Theoretical Probability*

Preprinturi

- Upper bound for the rate of convergence of a second functional in optimal alignment - with Raphael Hause and Henry Matzinger - submitted

- From Girsanov to gradient estimates - with Elton Hsu