

June 9, 2022

Prépublications

1. B. Colbois, L. Provenzano, A. Savo; Isoperimetric inequalities for the first Aharonov-Bohm eigenvalue of the Neumann and Steklov problems; arXiv:2201.11100
2. B. Colbois, A. Girouard; Metric upper bounds for Steklov and Laplace eigenvalues; arXiv:2108.03101 ; submitted

Publications dans des revues avec referees

3. B. Colbois, L. Provenzano; Neumann eigenvalues of the biharmonic operator on domains: geometric bounds and related results; J. of Geometric Analysis 32, Article number: 218 (2022); published online,
4. B. Colbois, L. Provenzano; Conformal upper bounds for the eigenvalues of the p-Laplacian; Journal of the London Mathematical Society 104 N. 5 (2021) 2128-2147.
5. B. Colbois, K. Gittins; Upper bounds for Steklov eigenvalues of submanifolds in Euclidean space via the intersection index; Differential Geom. Appl. 78 (2021), Paper No. 101777, 21 pp
6. B. Colbois, S. Verma; Sharp Steklov upper bound for submanifolds of revolution; J. of Geometric Analysis; Vol. 31, n.11 (2021) 11214-11225.
7. B. Colbois, A. Savo; Lower bounds for the first eigenvalue of the Laplacian with zero magnetic field in planar domains; Journal of Functional Analysis 60, (2021) 1-33.
8. B. Colbois, A. Savo; Upper bounds for the ground state energy of the Laplacian with zero magnetic field on planar domains; Annals of Global Analysis and Geometry; Vol 6 (2021) n.1 1-18.

9. B. Colbois, A. Girouard, A. Hassannezhad; The Steklov and Laplacian spectra of Riemannian manifolds with boundary; *Journal of Functional Analysis* 278 (6):108409, (2020).
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