

January 9, 2023

Prépublications

1. B. Colbois, A. Girouard, C. Gordon, D. Sher; Some recent developments on the Steklov eigenvalue problem; arXiv:2212.12528
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, A. Savo; Isoperimetric inequalities for the first Aharonov-Bohm eigenvalue of the Neumann and Steklov problems; J.of Geometric Analysis 32:285 (2022).
4. B. Colbois, L. Provenzano; Neumann eigenvalues of the biharmonic operator on domains: geometric bounds and related results; J. of Geometric Analysis 32 N. 8, Article number: 218 (2022);
5. 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.
6. 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
7. B. Colbois, S. Verma; Sharp Steklov upper bound for submanifolds of revolution; J. of Geometric Analysis; Vol. 31, n.11 (2021) 11214-11225.
8. 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.
9. 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.

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