

April 20, 2024

Prépublications

1. J. Brisson, B. Colbois; Upper bound for Steklov eigenvalues of warped products with fiber of dimension 2; arXiv:2403.13620.
2. J. Brisson, B. Colbois, K. Gittins; Spectral ratios for Steklov eigenvalues of balls with revolution-type metrics; arXiv:2403.13426
3. B. Colbois, C. Léna, L. Provenzano, A. Savo; A reverse Faber-Krahn inequality for the magnetic Laplacian: arXiv:2403.11336

Publications dans des revues avec referees

4. B. Colbois, A. Girouard; Metric upper bounds for Steklov and Laplace eigenvalues; to appear at Annales Institut Fourier; arXiv:2108.03101.
5. B. Colbois, A. Girouard, C. Gordon, D. Sher; Some recent developments on the Steklov eigenvalue problem (Survey article); Rev. Mat. Complut. 37 (2024), no. 1, 1–161
6. B. Colbois, C. Léna, L. Provenzano, A. Savo; Geometric bounds for the magnetic Neumann eigenvalues in the plane; J. Math. Pures Appl. (9) 179 (2023), 454–497.
7. 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).
8. B. Colbois, A. El Soufi, S. Ilias, A. Savo; Eigenvalues upper bounds for the magnetic Schrödinger operator, Communications in Analysis and Geometry, Vol. 30, No. 4 (2022), pp. 779-814.
9. 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);

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16. B. Colbois, A. Girouard, A. Métras; Hypersurfaces with small Steklov eigenvalues, *Canadian Mathematical Bulletin* 63 (1) (2020) 46-57.
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