

Ari Laptev

PUBLICATIONS

Journals

110. (jointly with A.Ilyin and S.Zelik), *On Lieb-Thirring constant on the sphere and on the torus*, Accepted by JFA, (2020)
109. (jointly with L.Fanelli, D.Krejcirik and L.Vega) *On the improvement of the Hardy inequality due to singular magnetic fields*, CPDE, published on line May 13, 2020.
108. (jointly with F. Ferrulli), *Complex eigenvalue bounds for a Schrödinger operator on the half line*, Rend. Lincei Mat. Appl. **31** (2020), 1–13.
107. (jointly with D. Guzu and Th. Hoffmann-Ostenhof), *On a Class of Sharp Multiplicative Hardy Inequalities*, St. Petersburg Math. J., **32**:3 (2020), 180-190.
106. (jointly with L. Schimmer and L. Takhtajan), *Weyl asymptotics for perturbed functional difference operators*, JMPH **60**, 103505 (2019) (Special issue: XIXth International Congress on Mathematical Physics).
105. (jointly with A.Ilyin and S.Zelik), *On Lieb-Thirring constant on the torus*, Mat.Zametki, 106:6 (2019), 946-950.
104. (with A.Velicu) *Spectral inequalities for a class of integral operators*, Journal of Mathematical Sciences, 242:2 (2019), 214-226.
103. (jointly with A.Ilyin), *Lieb--Thirring inequalities on the sphere*, St. Petersburg Math. J., **31**:3 (2019), 116-135.
102. (jointly with O.Ibrogimov and D.Krejcirik), *Sharp bounds for eigenvalues of biharmonic operators with complex potentials in low dimensions*, submitted.
101. (jointly with D.Bonheure, J.Dolbeault, M.J.Esteban and M.Loss), *Symmetry Results in Two-Dimensional Inequalities for Aharonov–Bohm Magnetic Fields*, CMP, (2019) DOI 10.1007/s00220-019-03560-y.
100. (jointly A.Hassannezhad) *Eigenvalue bounds of mixed Steklov problems*, Communications in Contemporary Mathematics, (2019) doi.org/10.1142/S0219199719500081.
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96. (jointly with F. Ferrulli and O.Safronov), *Eigenvalues of the bilayer graphene operator with a complex valued potential*, Anal.Math.Phys. **9**, 1535–1546 (2019) doi:10.1007/s13324-018-0262-4.
95. (jointly with J.Dolbeault, M.J.Esteban and M.Loss), *Magnetic ring*, Journal of Mathematical Physics **59**, 2018.
94. (jointly with J.Dolbeault, M.J.Esteban and M.Loss), *Interpolation inequalities and spectral estimates for magnetic operators*, Annales Henri Poincaré, **19** (5) (2018) 1439--1463.
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92. (jointly with E. Korotyaev), *Trace formulae for discrete Schrödinger operators with complex-valued potentials*, Bull. Math. Sci. (2018) **8**:453--475.
- 91.(jointly with A.Peicheva and A.Shlapunov), *Finding eigenvalues and eigenfunctions of the Zaremba problem for the circle*, Complex Anal. Oper. Theory, **11**, no. 4, (2017). 895--926.
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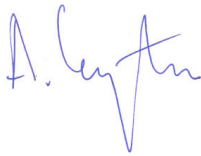
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