

Ari Laptev

PUBLICATIONS

68. (jointly with R.Frank) *Inequalities between Dirichlet and Neumann eigenvalues on the Heisenberg group*, Int. Math. Res. Not., to appear.
67. (jointly with F.Portman) *Spectral inequalities for a class non-elliptic operators*, to appear in AMS Translations, vol. 231, 2010.
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64. (jointly with O. Safronov) *Eigenvalue estimates for Schrödinger operators with complex potentials*, Comm. Math. Phys. 292 (2009), no. 1, 29–54.
63. (jointly with R.Frank) *Spectral inequalities for Schrödinger operators with surface potentials*, Spectral theory of differential operators, 91–102, Amer. Math. Soc. Transl. Ser. 2, 225, Amer. Math. Soc., Providence, RI, 2008.
62. (jointly with M.Hoffmann-Ostenhof, Th.Hoffmann-Ostenhof and J.Tidblom) *Many-particle Hardy inequalities*, J. Lond. Math. Soc. (2) vol. 77 (2008), no. 1, 99–114.
61. (jointly with A.Sobolev) *Hardy inequalities for simply connected planar domains*, Spectral theory of differential operators, 133–140, Amer. Math. Soc. Transl. Ser. 2, 225, Amer. Math. Soc., Providence, RI, 2008.
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53. (jointly with R. Shterenberg, V. Sukhanov and J.Östensson) *Reflectionless potentials for an ordinary differential operator of order four*, Inverse Problems 22 (2006), 135–153.
52. (jointly with E. Langmann and C. Paufler) *Singular factorizations, self-adjoint extensions and applications to quantum many-body physics*, J.Phys. A: Math.Gen. 39 (2006), 1057–1071.
51. Editor of the *Proceedings of the 4th Congress (4ECM) in Stockholm, 2004* European Mathematical Society (EMS), Zürich, 2005, 881 pp.
50. (jointly with S.Naboko and O.Safronov) *Absolutely continuous spectrum of Schrödinger operators with slowly decaying and oscillating potentials*. Comm. Math. Ph., 253 (2005), 611–631.
49. (jointly with O.Safronov) *The negative discrete spectrum of a class of two-dimensional*

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 46. (jointly with S.Chanillo and B.Helffer) *Non linear eigenvalues and analytic hypoellipticity*, J. Func. Anal., 209 (2004), 425–443.
 45. (jointly with S.Naboko and O.Safronov) *On new relations between spectral properties of Jacobi matrices and their coefficients*, Comm. Math. Ph., 241 (2003), 91–110.
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17. (jointly with D.Vassiliev) *Magnetoelasticity of thin superconducting shells.* The XVIIIth International Congress of Theoretical and Applied Mechanics, Haifa, Israel, August 22-28, 1992.
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