

## Publications of Alexander K. Motovilov

### Theses

- [1] A. K. Motovilov, *Theory of Resonances in Multichannel Systems*, D. Sc. Thesis, JINR, Dubna, 2006, 253 pp. (Russian).
- [2] A. K. Motovilov, *Theory of Resonances in Multichannel Systems*, Author's Referat of D. Sc. Thesis, JINR, Dubna, 2006, 28 pp. (Russian).
- [3] A. K. Motovilov, *Three-Body Quantum Problem in the Boundary-Condition Model*, C. Sc. (Ph. D.) Thesis, Leningrad State University, Leningrad, 1984, 142 pp. (Russian).
- [4] A. K. Motovilov, *Three-Body Quantum Problem in the Boundary-Condition Model*, Author's Referat of C. Sc. (Ph. D.) Thesis, Leningrad State University, Leningrad, 1984, 15 pp. (Russian).

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- [5] S.N. Lakaev, A.K. Motovilov, and M.O. Akhmadova, *A two-boson lattice Hamiltonian with interactions up to next-neighboring sites*, arXiv:2410.07070 (2024).
- [6] S.N. Lakaev, A.K. Motovilov, and S.Kh. Abdukhakimov, *Two-fermion lattice Hamiltonian with first and second nearest-neighboring-site interactions*, J. Phys. A: Math. Theor. **56** (2023), 315202 [23 pages]; arXiv:2303.10491.
- [7] S. Albeverio and A.K. Motovilov, *Optimal bounds on the speed of subspace evolution*, J. Phys. A: Math. Theor. **55**:23 (2022), 235203 [17 pages]; arXiv:2111.05677 (2021).
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- [9] A.K. Motovilov, *Unphysical energy sheets and resonances in the Friedrichs-Faddeev model*, Few-Body Syst. **60**:21 (2019) [9 pages]; arXiv:1812.08291.
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- [11] S. Albeverio and A. K. Motovilov, *Solvability of the operator Riccati equation in the Feshbach case*, Mathematical Notes **105** (2019), 485–502; arXiv:1712.05770.
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