

4. СПИСОК ПУБЛИКАЦИЙ СОИСКАТЕЛЯ

- (1) The inverse problem for perturbed harmonic oscillator on the half-line with a Dirichlet boundary condition. Chelkak, D.; Korotyaev, E.: *Ann. Henri Poincaré* 8 (2007), no. 6, 1115–1150.
- (2) Parameterization of the isospectral set for the vector-valued Sturm-Liouville problem. Chelkak, D.; Korotyaev, E.: *Journal of Functional Analysis*, 241 (2006), 359–373.
- (3) Spectral estimates for Schrodinger operator with periodic matrix potential on the real line. Chelkak, D.; Korotyaev, E.: *Int. Math. Res. Not.*, 2006, Article ID 60314, 1–41.
- (4) Inverse problem for harmonic oscillator perturbed by potential, characterization. Chelkak, D.; Kargaev, P.; Korotyaev, E.: *Comm. Math. Phys.* 249 (2004), no. 1, 133–196.
- (5) Inverse problem for harmonic oscillator perturbed by potential. Chelkak, D.; Kargaev, P.; Korotyaev, E.: *Inverse problems and spectral theory*, 93–102, *Cont. Math.*, 348, AMS, Providence, RI, 2004.
- (6) Асимптотика спектральных данных гармонического осциллятора, возмущенного потенциалом с конечной энергией. Д.С. Челкак: *Зап. Науч. Сем. ПОМИ* 303 (2003) 223–271.
- (7) Аппроксимация в пространстве спектральных данных возмущенного гармонического осциллятора. Д.С. Челкак: *Проблемы Мат. Анализа* 26 (2003) 287–300, English translation: *Nonlinear problems and function theory. J. Math. Sci. (N. Y.)* 117 (2003), no. 3, 4260–4269.
- (8) An inverse problem for an harmonic oscillator perturbed by potential: uniqueness. Chelkak, D.; Kargaev, P.; Korotyaev, E.: *Lett. Math. Phys.* 64 (2003), no. 1, 7–21.

Unpublished preprints:

- J.Bruning, D.Chelkak, E.Korotyaev: Inverse spectral analysis for finite matrix-valued Jacobi operators. Preprint 2006, arXiv:math/0607809.
(The revised version will be published somewhere)
- D.Chelkak, E.Korotyaev: The inverse problem for perturbed harmonic oscillator on the half-line. Institute Mittag-Leffler, Preprint No. 10, 2005/2006 fall.
(The part devoted to the Dirichlet boundary condition at 0 is published in (1) with some improvements, the general case is still unpublished)
- D.Chelkak, E.Korotyaev: The inverse Sturm-Liouville problem with mixed boundary conditions. Institute Mittag-Leffler, Preprint No. 05, 2005/2006 fall.