

LIST OF PUBLICATIONS AND PREPRINTS YURII BELOV

Preprints

- (P1) A. Baranov, Y. Belov, Irregular sampling for hyperbolic secant type functions,
<https://arxiv.org/abs/2312.10174>

Publications

- (1) Y. Belov, A.V. Semenov, Frame set for shifted sinc-function, *Appl. Comput. Harmon. Anal.* 71, (2024), 101654;
- (2) Y. Belov, M. Mironov, Exponential Riesz bases in L^2 on two intervals, *Int. Math. Res. Not. IMRN*, 2024, no. 7, 5403–5433;
- (3) Y. Belov, Gabor frame operator for the Cauchy kernel, *Algebra i Analiz*, 35, no. 5 (2023), pp. 1–10;
- (4) A. Baranov, Y. Belov, A. Kuznetsov, Systems biorthogonal to exponential systems on a finite union of intervals, *J. Fourier Anal. Appl.* 29, 23 (2023);
- (5) Y. Belov, A. Kulikov, Y. Lyubarskii, Gabor frames for rational functions, *Invent. Math.* 231, 431–466 (2023);
- (6) Y. Belov, A. Borichev, The Newman-Shapiro problem, *J. Eur. Math. Soc. (JEMS)*, 25 (2023), no. 4, pp. 1227–1251;
- (7) Y. Belov, A. Borichev, On the chain structure in the de Branges spaces, *J. Funct. Anal.* 284(2), 109757, (2023);
- (8) A. Baranov, Y. Belov, A. Kulikov, Spectral synthesis for exponentials and logarithmic length, *Isr. J. Math.* 250, pp. 403–427, (2022);
- (9) Y. Belov, A remark to the Linnell theorem, (Russian) *Zap. Nauchn. Sem. St.-Peterburg. Otdel. Mat. Inst. Steklov. (POMI)* 512, pp. 35–39, (2022);
- (10) A. Baranov, Y. Belov, K. Gröchenig, Complete interpolating sequences for the Gaussian shift-invariant space, *Appl. Comput. Harmon. Anal.* 61, (2022), pp. 191–201;
- (11) P. Barkhayev, Y. Belov, Y. Lyubarskii, Summation method in optimal control problem with delay, *Algebra i Analiz*, 34, no. 3 (2022), pp. 115–130;
- (12) A. Aleman, A. Baranov, Y. Belov, H. Hedenmalm, Backward shift and nearly invariant subspaces of Fock-type spaces, *Int. Math. Res. Not. IMRN*, 2022, no. 10, 7390–7419;
- (13) Y. Belov, A. Kulikov, Y. Lyubarskii, Irregular Gabor frames of Cauchy kernels, *Appl. Comput. Harmon. Anal.* 57 (2022), pp. 101–104;
- (14) (review) Y. Belov, Geometric properties of reproducing kernels in Hilbert spaces of entire functions, Extended abstracts fall 2019-spaces of analytic functions: approximation, interpolation, sampling, pp. 25–30, Trends Math. Res. Perspect. CRM Barc., 12., Birkhäuser/Springer, Cham, 2021;

- (15) Y. Belov, A. Borichev, A. Kuznetsov, Upper and lower densities of Gabor Gaussian systems, 2020, *Appl. Comp. Harmon. Anal.*, 49, n. 2., pp. 438–450;
- (16) Y. Belov, A. Borichev, K. Fedorovskiy, Nevanlinna domains with large boundaries, 2019, *J. Funct. Anal.* 277(8), pp. 2617–2643;
- (17) E. Abakumov, A. Baranov, Y. Belov, Krein-type theorems and ordered structure for Cauchy-de Branges spaces, 2019, *J. Funct. Anal.*, 277(1), pp. 200–226;
- (18) A. Baranov, Y. Belov, Synthesizable differentiation-invariant subspaces, (2019), *Geom. Funct. Anal.*, 29(1), pp. 44–71;
- (19) E. Abakumov, A. Baranov, Y. Belov, (2019), Localization of Zeros in Cauchy–de Branges Spaces, *Trends in Math., Analysis of operators on function spaces*, pp. 5–27;
- (20) Y. Belov, Sufficient conditions for synthesability of exponential systems, *Herald of the Bauman Moscow State Technical University, Series Natural Sciences* (2), pp. 4–11, (2018);
- (21) A. Baranov, Y. Belov, A. Borichev, The Young type theorem in weighted Fock spaces, *Bull. Lond. Math. Soc.* 50 (2018), no. 2, pp. 357–363;
- (22) (review) A. Baranov, Y. Belov, Spectral synthesis in Hilbert spaces of entire functions, *European Congress of Mathematics*, pp. 203–218, Eur. Math. Soc., Zürich, 2018;
- (23) A. Baranov, Y. Belov, A. Borichev, Summability properties of Gabor expansions, *J. Funct. Anal.* 274 (2018), no. 9, pp. 2532–2552;
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- (25) A. Baranov, Y. Belov, A. Ulanovskii, Gap problem for separated sequences and Beurling-Malliavin theorem, *J. Fourier Anal. Appl.* 23 (2017), no. 4, pp. 877–885;
- (26) (review) A. Baranov, Y. Belov, Spectral synthesis for operators and systems, *Eur. Math. Soc. Newslet.* (2017), N103, pp. 11–18;
- (27) A. Baranov, Y. Belov, A. Poltoratski, De Branges functions of Schrödinger equations, *Collect. Math.*, (2017) n. 68, pp. 251–263;
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- (29) Y. Belov, Y. Lyubarskii, On summation of non-harmonic Fourier series, *Const. Approx.*, (2016), Vol. 43:2, pp. 291–309;
- (30) Y. Belov, Bessel Sequences with Finite Upper Density in the de Branges Spaces, (Russian) *Algebra i Analiz* 27 (2015), no. 4, pp. 15–27; translation in *St. Petersburg Math. J.* 27 (2016), no. 4, 599–607;
- (31) Y. Belov, Uniqueness of Gabor series, *Appl. Comp. Harmon. Anal.*, 39 (2015), pp. 545–551;

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- (33) A. Baranov, Y. Belov, A. Borichev, Spectral synthesis in de Branges spaces, *Geom. Funct. Anal.*, (2015), Vol. 25, Iss. 2: pp. 417–452;
- (34) E. Abakumov, A. Baranov, Y. Belov, Localization of zeros for Cauchy transforms, *Int. Math. Res. Not. IMRN*, (2015), Vol. 2015, pp. 6699–6733;
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- (45) Y. Belov, Criteria for the admissibility of majorants for model subspaces with a rapidly increasing argument of the generating inner function, (Russian) *Zap. Nauchn. Sem. St.-Peterburg. Otdel. Mat. Inst. Steklov. (POMI)* 345 (2007), Issled. po Linein. Oper. i Teor. Funkts. 34, 55–84, 141; translation in *J. Math. Sci. (N. Y.)* 148 (2008), no. 6, 813–829;
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