Curriculum Vitae
Petr Naryshkin

Personal information:

- Date of birth: 02.12.1997
- Place of birth: Izhevsk, Russia
- Languages: Russian, English

Research interests:

- Dynamics of countable discrete groups
- C*-algebras
- Borel and measurable combinatorics

Positions:

- Alfréd Rényi Institute of Mathematics (2024-present), PostDoc

Education:

- WWU Münster (2021-2024), PhD, summa cum laude
- Texas A&M University (2019-2020), PhD Program
- St. Petersburg State University (2014-2019), Masters Degree

Publications:

- P. Naryshkin, URP, comparison, mean dimension, and sharp shift embeddability, arXiv:2410.01757
- E. Gardella, S. Geffen, R. Gesing, G. Kopsacheilis, P. Naryshkin Essential freeness, allostery and $\mathcal{Z}$-stability of crossed products, arXiv:2405.04343
- P .Naryshkin, S. Petrakos, $\mathcal{Z}$-stability of crossed products by topological full groups, arXiv:2401.06006
- P. Naryshkin, A. Vaccaro, Hyperfiniteness and Borel asymptotic dimension of boundary actions of hyperbolic groups, arXiv:2306.02056

- P. Naryshkin, Group extensions preserve almost finiteness, *J. Funct. Anal.* **286**(7) (2024), 110348
- E. Gardella, S. Geffen, J. Kranz, P. Naryshkin, A. Vaccaro, Tracially amenable actions and purely infinite crossed products, *Math. Ann.*, **390** (2024), 3665–3690
- E. Gardella, S. Geffen, P. Naryshkin, A. Vaccaro, Dynamical comparison and $\mathcal{Z}$–stability for crossed products of simple C*-algebras, *Adv. Math.* **438** (2024)
- E. Gardella, S. Geffen, J. Kranz, P. Naryshkin, Classifiability of crossed products by nonamenable groups, *J. Reine Angew. Math.* **797** (2023), 285—312
- P. Naryshkin, Polynomial growth, comparison, and the small boundary property, *Adv. Math.* **406** (2022)
- D. Kerr, P. Naryshkin, Elementary amenability and almost finiteness, arXiv:2107.05273
- L.M. Lerman, P.E. Naryshkin, A.I. Nazarov, Abundance of entire solutions to nonlinear elliptic equations by the variational method, *Nonlinear Anal.* **190** (2020)
- P.E. Naryshkin, A remark on the isomorphism between the Bernoulli scheme and the Plancherel measure, *Zap. Nauchn. Sem. S.-Peterburg. Otdel. Mat. Inst. Steklov. (POMI)* **468** (2018); translation in *J. Math. Sci. (N.Y.)* **240** (2019)

Invited talks:

- Chalmers University Gothenburg, Operator Algebras seminar, September 2024
- Alfréd Rényi kutszem, April 2024
- JU Krakow Groups, Dynamics & Topology seminar, February 2024
- FAU Erlangen-Nürnberg Operator Algebras seminar, January 2024
- UC San Diego Dynamics Seminar, October 2023
- Ben-Gurion Dynamics seminar, May 2023
- Technion Operator Theory seminar, May 2023

- Hebrew University Dynamics seminar, May 2023
- Group Actions: Dynamics, Measure, Topology, Münster, November 2022
- Operator Algebras seminar at KU Leuven, June 2022
- Joint UHaifa-Technion Noncommutative analysis seminar, April 2022
- Séminaire d'Algèbres d'Opérateurs at IMJ-PRG, March 2022
- Groups and Dynamics: Topology, Measure, and Borel Structure, Oberwolfach, January 2022

Contributed talks:

- Noncommutativity in the North, Gothenburg, March 2022
- Various events and seminars held at WWU Münster, Texas A&M University and Saint-Petersburg

Teaching experience:

- Running exercise sessions for various courses at the Saint-Petersburg Electrotechnical University (2017-2019)
- Running help sessions and recitations for various courses at Texas A&M University (2019-2020)
- Running tutorials for various courses at WWU Münster (2020-2023)

Competitions:

- Russian National Mathematical Olympiad : Prizewinner in 2011-2014
- International Mathematics Competition for university students : First Prize in 2015, 2016
- Saint-Petersburg Mathematical Society Competition for students : winner (with D. Klyuev) in 2015

Awards:

- Advanced Scholarship (2015-2017)
- PAO Gazprom Neft Award for students (2014, 2015)

- WorldQuant Student Award (2015)
- Saint-Petersburg Government Award for students (2014, 2015, 2016)

Service:

- Organizer of the Young Mathematicians in C*-algebras 2021.