CURRICULUM VITAE

LUBOŠ PICK

ORCiD: 0000-0002-3584-1454

Born: October 15, 1961 in Prague, Czechoslovakia

Citizenship: Czech Republic

Employer: Charles University, Prague, Czech Republic

Position: Professor

Education and scientific degrees:
- 1980–1985 master study (Faculty of Mathematics and Physics, Charles University, Prague);
- 1985 RNDr. (Rerum Naturalium Doctor) in mathematics (Charles University, Prague);
- 1990 CSc. (Candidatus Scientiarium - equivalent of Ph.D.) in mathematical analysis (Mathematical Institute of the Czechoslovak Academy of Sciences, Prague);
- 2003 Docent (Associate Professor) in mathematical analysis (Charles University, Prague);
- 2004 DSc. (Doctor Scientiarium) in mathematical analysis (Academy of Sciences, Prague);
- 2009 Professor (Charles University, Prague).

Prizes and awards:
- The Prize of the Jan Hlávka Foundation for young scientists, 1996,
- Silver Medal of the Faculty of Mathematics and Physics of the Charles University, 2011,
- Merited Member of the Union of Czech Mathematicians and Physicists, 2014,
- Golden Medal of the Faculty of Mathematics and Physics of the Charles University, 2021.

Professional experience:
1986–1989 Ph.D. student, Mathematical Institute of the Czechoslovak Academy of Sciences in Prague (supervisor Miroslav Krbec);
1989–1999 Research Fellow, Mathematical Institute of the Czech Academy of Sciences in Prague;
1991–1994 Research Associate, University of Wales College of Cardiff, UK;
1999–2003 Assistant Professor, Charles University, Prague;
2003–2009 Docent (Associate Professor), Charles University, Prague;
2004 Visiting International Professor, Brock University, St. Catharines, ON, Canada;
since 2009 Professor, Charles University, Prague.

Date: April 5, 2025.

Public service:
- President of the Czech Mathematical Society (since 2018).

Research interest: Function spaces, inequalities, operators.

Citations:
- *Math Sci Net:* 1866 citations in 1040 articles, 815 unique citing authors,
- *ISI Web of Knowledge:* 1642 citations, 1348 citations without self-citations, 865 citing articles, 806 citing articles without self-citations,
- h-index: 23.

Selected invited lectures:
- *Function Spaces and Applications*, Freyburg/Unstrut (Germany), July 6-12, 2008,
- *International Symposium on Banach and Function Spaces*, Kitakjushu, Japan, September 14-17, 2009,
- *XXVII Seminar in Differential Equations*, Bořetice, Czech Republic, May 31-June 4, 2010,
- *Inequalities and PDEs, Małe Ciche*, Poland, September 22-25, 2010,
- *Real Analysis Symposium 2010*, Kitakyushu, Japan, November 12-14 2010,
- *New trends in spectral theory and applications*, Cardiff, UK, December 18-20, 2010,
- *2nd International Workshop on Interpolation Theory, Function Spaces and Related Topics*, Santiago de Compostella, Spain, July 18-21, 2011,
- *CIDAMA 2011*, Almería, Spain, September 12-16, 2011,
- *FSDONA 2011*, Tabarz/Thüringen, Germany, September 18-24, 2011,
- *Calculus of Variations and PDEs*, Szczawnica, Poland, July 9-12, 2012,
- *International Conference on Fourier Analysis and Approximation Theory*, Bazaleti, Georgia, October 23–28, 2013,
- *46th Conference of Slovak Mathematicians*, Jasna pod Chopkom, Slovakia, November 20–23, 2014,
- *AIME@CZ - Czech workshop on applied mathematics in engineering*, Prague, Czech Republic, February 24–25, 2015,
- *Mecklenburg Workshop on Approximation Methods and Function Spaces*, Hasenwinkel, Germany, March 16–20, 2015,
- *Function Spaces and Lineability IX*, Paseky nad Jizerou, Czech Republic, May 31–June 6, 2015,
- *Workshop on Geometrical Analysis and Related Fields*, Prague, Czech Republic, February 24–25, September 18–20, 2015,
- *Third Summer School on Harmonic Analysis and PDEs*, BCAM, Bilbao, Spain, July 10–14, 2017,
- *Mathematics Colloquium*, Ohio State University, Columbus, OH, January 30, 2020,
- *Kolloquium zum 65. Geburtstag von Prof. Dr. Winfried Sickel*, Friedrich-Schiller Universität, Jena, Germany, September 18, 2020, `https://ws65.uni-jena.de/`.
- *Geometric and analytic aspects of functional variational principles*, Cetraro (Cosenza), Italy, June 27–June 1, 2022, `https://sites.google.com/unifi.it/cime/c-i-m-e-courses/c-i-m-e-courses-2022/geometric-and-analytic-aspects-of-functional-variational-principles`
- *Function Spaces and Applications*, Apolda, Germany, October 1–7, 2022, `https://fsa2020.uni-jena.de/`
- *Calculus of Variations: Regularity Theory and Limiting Spaces*, Konstanz, Germany, March 20–23, 2023, `https://cvgmt.sns.it/event/761/`

- *GeoCa 23*, Horní Lysečiny - Integrál, Czech Republic, December 6–10, 2023, `https://geoca.cuni.cz/`
- *Function Spaces, Analysis and Approximation*, Astana, Kazakhstan, February 3–6, 2024, `https://www.math-conf-kz.org/`
- *Geometric And Variational Analysis. In memory of Jan Malý*, Będlewo, Poland, June 9–15, 2024, `https://gva.karlin.mff.cuni.cz/`
- *The 50, 70, 80 Conference in Mathematics*, Karlstad, Sweden, August 19–23, 2024,
  `https://www.kau.se/invited-speakers`
- *(Non)local (non)linear Workshop I in Prague*, Prague, Czech Republic, November 26–28, 2024, `https://www.uni-bielefeld.de/fakultaeten/mathematik/ag/numerik/workshop/prague24/`
- *Taiwan Winter School in Analysis*, Fo Guang University, Jiaoxi, Taiwan, January 19–25, 2025, `https://cvgmt.sns.it/event/909/`
- *Workshop on nonlocal problems*, Bielefeld, Germany, March 17–21, 2025, `https://www.sfb1283.uni-bielefeld.de/2025_BI-nonlocal/`
- *Approximation Theory and Fast Algorithms*, Hasenwinkel, Mecklenburg-Vorpommern, Germany, April 07–11, 2025, `https://www.math-conf.uos.de/hawi25/#start`
- *Novel methods of PDEs and function spaces*, Warsaw, Poland, June 23–27, 2025, `https://evolutionarypdes2025.icm.edu.pl/novel-methods/`

Research grants:

- 119 54, Grant Agency of the Czechoslovak Academy of Sciences, 1992–1993 (research worker),
- 201/94/1066, Czech Science Foundation, 1994–1996(research worker),
- CRG.930358, NATO, 1993–1996 (research worker),
- EPSRC (UK), 1995 (research worker),
- 201/97/0744, Czech Science Foundation, 1997–1999 (research worker),
- OUTR.CRG.9700071, NATO, 1997–2001 (research worker),
- EPSRC (UK), 1997 (research worker),
- rc/jp/nov, Royal Society (UK), 1998–1999 (research worker),
- F/00407/E, Leverhulme Trust Grant (UK), 2001–2003 (research worker),
- 201/01/0333, Czech Science Foundation, 2001–2003 (research worker),
- NATO grant no. PST.CLG.978798, 2002–2004 (co-investigator),
- 201/03/0935, Czech Science Foundation, 2003–2005 (research worker),
- 201/05/2033, Czech Science Foundation, 2005–2007 (research worker),
- 201/07/0388, Czech Science Foundation, 2007–2009 (research worker),
- 201/08/0383, Czech Science Foundation, 2008–2012 (principal investigator),
- P201-13-14743S, Czech Science Foundation, 2013–2017 (principal investigator),
- Danube Region Grant no. 8X17028 TIFMOFUS, 2017–2018 (principal investigator of the Czech team),
- P201-18-00580S, Czech Science Foundation, 2018–2020 (principal investigator),
- Danube Region Grant no. 8X20043 TIFREFUS, 2020–2022 (principal investigator of the Czech team),
- P202-23-04720S, Czech Science Foundation, 2023–2025 (principal investigator).

Teaching experience:

- external teaching, Czech Technical University, 1987-1991
- "Harmonic analysis", Charles University, Prague, 1990–1991
- "Maths for chemists", University of Wales, Cardiff, 1991–1994

- "Linear algebra", "Elementary calculus" and "Advanced calculus", Brock University, St. Catharines, 2004
- "Mathematical analysis 1–4", Charles University, Prague, since 1999
- "Theory of interpolation", Charles University, Prague, since 1999
- "Theory of approximation", Charles University, Prague, since 2007
- "Banach function spaces", Charles University, Prague, 2000–2003
- "Selected parts in functional analysis", Charles University, Prague, 2015–2016
- "Seminar on function spaces", Mathematical Institute, Czech Academy of Sciences and Charles University, Prague, since 1985
- "Seminar on basic properties of function spaces", Charles University, Prague, since 2000
- "International Prague seminar on function spaces", online, Prague, 2020–2022

Finished Ph.D. students:

- Jan Vybíral, 2007, currently: Czech Technical University, Prague
- Lukáš Malý, 2014, currently: Linköping University
- Filip Soudský, 2015, currently: Technical University of Liberec
- Lenka Slavíková, 2016, currently: Charles University, Prague
- Tereza Bártlová (history of mathematics), 2016, currently: Charles University, Prague
- Martin Křepela, 2017, currently: Czech Technical University, Prague
- Martin Franců, 2018
- Vít Musil, 2018, currently: Masaryk University, Brno
- Rastislav Oľhava, 2019
- Zdeněk Mihula, 2022, currently: Czech Technical University, Prague
- Dalimil Peša, 2024, currently: Technische Universität Chemnitz

Current Ph.D. students:

- David Kubíček

MSc. Diploma theses supervision:

- David Opěla, *Generalized Morrey and Campanato Spaces*, 2001
- Jan Vybíral, *Integral Operators on Rearrangement-Invariant Spaces*, 2002
- Luboš Dostál, *Weighted inequalities for integral operators*, 2005
- Eva Kaspříková, *Compactness of integral operators and Sobolev embeddings*, 2005
- David Pražák: *Weighted inequalities for Hardy-type operators and their application in the Interpolation Theory*, 2007
- Lukáš Malý, *Interpolation of Operators on Function Spaces*, 2008
- Eva Pernecká, *Compactness of Operators on Function Spaces*, 2010
- Martin Křepela, *Skorokompaktní vnoření prostorů funkcí*, 2011
- Miloslav Holík, *Nerovnosti pro integrální operátory*, 2011
- Rastislav Oľhava, *Nové prostory funkcí*, 2011
- Filip Soudský, *Reálná teorie interpolací pomocí K-funkcionálu*, 2011
- Lenka Slavíková, *Compactness of higher-order Sobolev embeddings*, 2012
- Martin Franců, *Approximation of non-increasing rearrangement of a function*, 2012
- Petra Jirůtková, *Pokrývací věty*, 2013
- Vít Musil, *Positioning of Orlicz Space and Optimality*, 2014
- Eva Buriánková, *Behavior of one-dimensional integral operators on function spaces*, 2016

- Zdeněk Mihula, *Optimality of function spaces for classical integral operators*, 2017
- Dalimil Peša, *Amalgam Spaces*, 2019
- Jan Krejčí, *Optimality of function spaces for a weighted integral operator*, 2020
- Jakub Takáč, *Interpolation of logarithmically convex combinations of operators*, 2021
- David Kubíček, *Fine properties of functions and operators*, 2024
- Tomáš Beránek, *Optimality of function spaces in Orlicz-Sobolev spaces*, expected to defend 2025
- Anna Kneselová, expected to defend 2026

BSc. theses supervision:
- Eva Pernecká, 2007
- Ján Marko, 2008
- Martin Křepela, 2009
- Miloslav Holík, 2009
- Martin Franců, 2009
- Rastislav Oľhava, 2009
- Kristýna Kuncová, 2009
- Filip Soudský, 2009
- Jaroslav Dufek, 2010
- Dominik Mokriš, 2010
- Lenka Slavíková, 2010
- Jakub Marian, 2012
- Vít Musil, 2012
- Eva Buriánková, 2013
- Zdeněk Mihula, 2015
- Dalimil Peša, 2017
- Jan Krejčí, 2017
- Adam Zaplatílek, 2017
- Jakub Takáč, 2019
- Lucie Wintrová, 2022
- Pavel Berkman, 2022
- Tomáš Beránek, 2023
- Anna Kneselová, 2024
- Ivan Kotalík, expected to defend 2025
- Petro Velychko, expected to defend 2025
- Hanuš Kameník, expected to defend 2025

Participation and lectures at conferences in Austria, Bulgaria, Canada, Czechia, Finland, France, Georgia, Germany, Hungary, Israel, Italy, Japan, Kazakhstan, Pakistan, Poland, Portugal, Russia, Slovakia, Spain, Sweden, Taiwan, Turkey, UK and USA.

Organization of Conferences:
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 4", Roudnice nad Labem, 1990
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 5", Prague, 1994
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 6", Prague, 1998
- Spring School "Function Spaces and Applications", Paseky nad Jizerou, 1999

- Spring School "Function Spaces and Interpolation", Paseky nad Jizerou, 2001
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 7", Prague, 2002
- Spring School "Function Spaces and Applications", Paseky nad Jizerou, 2003
- Spring School "Function Spaces and Applications", Paseky nad Jizerou, 2005
- Spring School "Function Spaces and Applications", Paseky nad Jizerou, 2007
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 8", Prague, 2006
- Miniconference "Spaces Between Us", Třešť, 2008
- Spring School "Function Spaces and Applications", Paseky nad Jizerou, 2009
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 9", Třešť, 2010
- Spring School "Function Spaces. Approximation, Inequalities and Lineability", Paseky nad Jizerou, 2011
- Spring School "Function Spaces and Inequalities", Paseky nad Jizerou, 2013
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 10", Třešť, 2014
- Spring School "FSDONA (Function Spaces, Differential Operators and Nonlinear Analysis) 8", Prague, 2016
- Spring School "Function Spaces, Embeddings and Extrapolation X", Paseky nad Jizerou, 2017
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 11", Prague, 2018
- Spring School "Function Spaces, Embeddings and Extrapolation XI", Paseky nad Jizerou, 2019
- International Conference "QIND60" (Qualitative Improvement and New Dimensions), Špindlerův Mlýn, 2020
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 12", Prague, 2022
- International Conference "Geometric and functional inequalities, function spaces and PDEs", Prague, 2023
- Spring School "Function Spaces and Application XII", Paseky nad Jizerou, 2023
- Spring School "FSDONA (Function Spaces, Differential Operators and Nonlinear Analysis) 11", Oberhof, 2024 (member of the Scientific Committee)
- Spring School "Function Spaces and Application XIII", Paseky nad Jizerou, 2025
- Spring School "NAFSA (Nonlinear Analysis, Function Spaces and Applications) 13", Prague, 2026

Editorial work:

- Editor of "Mathematical Inequalities and Applications" since 1997
- Editor of "Mathematica Bohemica" 2008–2013
- "Function Spaces", proceedings of the spring school in Analysis, Paseky nad Jizerou 1999, MATFYZPRESS, Prague 1999, 120 pp, ISBN 80-85863-39-1 (jointly with Jaroslav Lukeš)

- "Function Spaces and Interpolation", proceedings of the spring school in Analysis, Paseky nad Jizerou 2001, MATFYZPRESS, Prague 2001, 86 pp, ISBN 80-85863-66-9 (jointly with Jaroslav Lukeš)
- "Function Spaces and Applications", proceedings of the spring school in Analysis, Paseky nad Jizerou 2003, MATFYZPRESS, Prague 2003, 104 pp, ISBN 80-86732-04-5 (jointly with Jaroslav Lukeš)
- "Function Spaces and Applications", proceedings of the spring school in Analysis, Paseky nad Jizerou 2005, MATFYZPRESS, Prague 2005, 136 pp, ISBN 80-86732-46-0 (jointly with Jaroslav Lukeš)
- "Function Spaces and Applications", proceedings of the spring school in Analysis, Paseky nad Jizerou 2007, MATFYZPRESS, Prague 2007, 60 pp, ISBN 80-7378-009-7 (jointly with Jaroslav Lukeš)
- "Function Spaces. Inequalities and Interpolation", proceedings of the spring school in Analysis, Paseky nad Jizerou 2009, MATFYZPRESS, Prague 2009, 146 pp, ISBN 978-80-7378-085-2 (jointly with Jaroslav Lukeš)
- "Function Spaces. Approximation, Inequalities and Lineability", proceedings of the spring school in Analysis, Paseky nad Jizerou 2011, MATFYZPRESS, Prague 2011, 106 pp, ISBN 978-80-7378-169-9 (jointly with Jaroslav Lukeš)
- "Function Spaces and Inequalities", proceedings of the spring school in Analysis, Paseky nad Jizerou 2013, MATFYZPRESS, Prague 2013, xii+152 pp, ISBN 978-80-7378-233-7 (jointly with Jaroslav Lukeš)
- "Function Spaces, Embeddings and Extrapolation X", proceedings of the spring school in Analysis, Paseky nad Jizerou 2017. MATFYZPRESS, Prague 2017, xiv+155 pp, ISBN 978-80-7378-341-9 (jointly with Jaroslav Lukeš)
- "Function Spaces and Applications XI", proceedings of the spring school in Analysis, Paseky nad Jizerou 2019. MATFYZPRESS, Prague 2019, xiv+135 pp, ISBN 978-80-7378-385-3 (jointly with Jaroslav Lukeš).
- "Function Spaces and Applications XII", proceedings of the spring school in Analysis, Paseky nad Jizerou 2023. MATFYZPRESS, Prague 2023, ix+136 pp, ISBN 978-80-7378-485-0 (jointly with Jaroslav Lukeš, Zdeněk Mihula and Hana Turčinová).

Translation of books from English to Czech:

- Lewis Carroll: *A Tangled Tale*, in Czech: *Zamotaný příběh*, Volvox Globator, Prague, 1996, Dokořán Ltd., Prague, 2009.
- Simon Singh: *Fermat's Last Theorem*, in Czech: *Velká Fermatova věta*, Academia, Prague, 2000 (joint translation with Mirko Rokyta and Jiří Rákosník), Dokořán Ltd., Prague, 2007.
- Barry Cipra: *Misteaks*, in Czech: *Chibičky*, Dokořán Ltd., Prague, 2002.
- Keith Devlin: *The Millenium Problems*, in Czech: *Problémy pro třetí tisíciletí*, Dokořán Ltd., Prague, 2005.
- David Acheson: *1089 and All That*, in Czech: *1089 a další parádní čísla*, Dokořán Ltd., Prague, 2006.
- Ian Stewart: *How to Cut a Cake*, in Czech: *Jak nakrájet dort*, Dokořán Ltd., Prague, 2009.
- Douglas Hofstadter: *Gödel, Escher, Bach. An Eternal Golden Braid*, in Czech: *Gödel, Escher, Bach. Existenciální gordická balada*, Dokořán Ltd., Prague, 2012 (joint translation).
- Ian Stewart: *Professor Stewart's Cabinet of Mathematical Curiosities*, in Czech: *Kabinet matematických kuriozit profesora Stewarta*, Dokořán Ltd., Prague, 2013.

- Burkhard Polster: *Q.E.D. Beauty in Mathematical Proof* , in Czech: *Q.E.D. Krása matematického důkazu*, Dokořán Ltd., Prague, 2014.
- Simon Singh: *Simpsons and Their Mathematical Secrets*, in Czech: *Simpsonovi a jejich matematická tajemství*, Dokořán Ltd., Prague, 2015 (joint translation with Petr Holčák).
- Raymond Smullyan: *The Lady or the Tiger and Other Logical Puzzles*, in Czech: *Dáma s tygříkem a další logické hrátky*, Dokořán Ltd., Prague, 2017).
- Marcus du Satoy: *Music of the Primes*, in Czech: *Hudba prvočísel*, Dokořán Ltd., Prague, 2019 (joint translation with Mirko Rokyta).
- Jamie Hewlett, Alan Martin: *The Tank Girl*, in Czech: *Tankerka*, Argo/Dokořán Ltd., Prague, 2020 (joint translation with Zdeněk Kárník).
- David Acheson: *The Calculus Story: A Mathematical Adventure*, in Czech: *Kalkulus a jeho dobrodružství. Matematika pro odvážné*, Dokořán Ltd., Prague, 2024.

References

[1] V. Musil, L. Pick, and J. Takáč, *Almost compact embeddings between Orlicz and Lorentz spaces*, J. Funct. Anal. **288** (2025), no. 11, Paper No. 110859, 20, DOI 10.1016/j.jfa.2025.110859. MR4491358

[2] A. Gogatishvili and L. Pick, *Weighted inequalities for sub-monotone functionals*, Rev. Mat. Complutense, to appear, DOI 10.1007/s13163-025-00521-z, arXiv 2407.20115.

[3] D. Spector, Z. Mihula, and L. Pick, *Potential trace inequalities via a Calderón-type theorem*, arXiv 2407.03986 (2024).

[4] J. Malý, Z. Mihula, V. Musil, and L. Pick, *Maximal noncompactness of embeddings into Marcinkiewicz spaces*, arXiv 2404.04694 (2024).

[5] A. Gogatishvili and L. Pick, *The two-weight Hardy inequality: a new elementary and universal proof*, Proc. Amer. Math. Soc, to appear.

[6] J. Lang, Z. Mihula, and L. Pick, *Maximal noncompactness of limiting Sobolev embeddings*, Proc. Roy. Soc. Edinburgh Sect. A, published online, DOI 10.1017/prm.2024.93.

[7] A. Alberico, A. Cianchi, L. Pick, and L. Slavíková, *On the modulus of continuity of fractional Orlicz-Sobolev functions*, Math. Ann. **391** (2025), no. 2, 2429–2477, DOI 10.1007/s00208-024-02964-z. MR4853023

[8] P. Cavaliere, A. Cianchi, L. Pick, and L. Slavíková, *Higher-order Sobolev embeddings into spaces of Campanato and Morrey type*, Nonlinear Anal. **251** (2025), Paper No. 113678, 31, DOI 10.1016/j.na.2024.113678. MR4819026

[9] V. Musil, L. Pick, and J. Takáč, *Optimality problems in Orlicz spaces*, Adv. Math. **432** (2023), Paper No. 109273, 58, DOI 10.1016/j.aim.2023.109273. MR4638714

[10] L. Pick, *Reduction principles*, Geometric and analytic aspects of functional variational principles, Lecture Notes in Math., vol. 2348, Springer, Cham, [2024] ©2024, pp. 151–225, DOI 10.1007/978-3-031-67601-7_3. MR4841363

[11] A. Cianchi, V. Musil, and L. Pick, *Optimal Sobolev embeddings for the Ornstein-Uhlenbeck operator*, J. Differential Equations **359** (2023), 414–475, DOI 10.1016/j.jde.2023.02.035. MR4561675

[12] A. Alberico, A. Cianchi, L. Pick, and L. Slavíková, *Boundedness of functions in fractional Orlicz-Sobolev spaces*, Nonlinear Anal. **230** (2023), Paper No. 113231, 26, DOI 10.1016/j.na.2023.113231. MR4551936

[13] A. Gogatishvili, L. Pick, and T. Ünver, *Weighted inequalities for discrete iterated kernel operators*, Math. Nachr. **295** (2022), no. 11, 2171–2196, DOI 10.1002/mana.202000144. MR4553573

[14] ———, *Weighted inequalities involving Hardy and Copson operators*, J. Funct. Anal. **283** (2022), no. 12, Paper No. 109719, 50, DOI 10.1016/j.jfa.2022.109719. MR4491358

[15] S. Baena-Miret, A. Gogatishvili, Z. Mihula, and L. Pick, *Reduction principle for Gaussian K-inequality*, J. Math. Anal. Appl. **516** (2022), no. 2, Paper No. 126522, 23, DOI 10.1016/j.jmaa.2022.126522. MR4459008

[16] J. Lang, Z. Mihula, and L. Pick, *Compactness of Sobolev embeddings and decay of norms*, Studia Math. **265** (2022), no. 1, 1–35, DOI 10.4064/sm201119-29-9. MR4420900

[17] A. Gogatishvili, Z. Mihula, L. Pick, H. Turčinová, and T. Ünver, *Weighted inequalities for a superposition of the Copson operator and the Hardy operator*, J. Fourier Anal. Appl. **28** (2022), no. 2, Paper No. 24, 24, DOI 10.1007/s00041-022-09918-6. MR4395122

[18] A. Cianchi, V. Musil, and L. Pick, *On the existence of extremals for Moser-type inequalities in Gauss space*, Int. Math. Res. Not. IMRN **2** (2022), 1494–1537, DOI 10.1093/imrn/rnaa165. MR4368892

[19] _____, *Sharp exponential inequalities for the Ornstein-Uhlenbeck operator*, J. Funct. Anal. **281** (2021), no. 11, Paper No. 109217, 68, DOI 10.1016/j.jfa.2021.109217. MR4319820

[20] J. Lang, V. Musil, M. Olšák, and L. Pick, *Maximal non-compactness of Sobolev embeddings*, J. Geom. Anal. **31** (2021), no. 9, 9406–9431, DOI 10.1007/s12220-020-00522-y. MR4302225

[21] A. Alberico, A. Cianchi, L. Pick, and L. Slavíková, *Fractional Orlicz-Sobolev embeddings*, J. Math. Pures Appl. (9) **149** (2021), 216–253, DOI 10.1016/j.matpur.2020.12.007 (English, with English and French summaries). MR4239001

[22] _____, *On fractional Orlicz-Sobolev spaces*, Anal. Math. Phys. **11** (2021), no. 2, Paper No. 84, 21, DOI 10.1007/s13324-021-00511-6. MR4237489

[23] _____, *On the limit as $s \to 1^-$ of possibly non-separable fractional Orlicz-Sobolev spaces*, Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl. **31** (2020), no. 4, 879–899, DOI 10.4171/rlm/918. MR4215683

[24] _____, *On the limit as $s \to 0^+$ of fractional Orlicz-Sobolev spaces*, J. Fourier Anal. Appl. **26** (2020), no. 6, Paper No. 80, 19, DOI 10.1007/s00041-020-09785-z. MR4165063

[25] A. Gogatishvili, M. Křepela, R. Oľhava, and L. Pick, *Weighted inequalities for discrete iterated Hardy operators*, Mediterr. J. Math. **17** (2020), no. 4, Paper No. 132, 20, DOI 10.1007/s00009-020-01526-2. MR4132569

[26] A. Cianchi, V. Musil, and L. Pick, *Moser inequalities in Gauss space*, Math. Ann. **377** (2020), no. 3-4, 1265–1312, DOI 10.1007/s00208-020-01956-z. MR4126894

[27] M. Křepela and L. Pick, *Weighted inequalities for iterated Copson integral operators*, Studia Math. **253** (2020), no. 2, 163–197, DOI 10.4064/sm181016-5-5. MR4078221

[28] A. Cianchi, L. Pick, and L. Slavíková, *Sobolev embeddings in Orlicz and Lorentz spaces with measures*, J. Math. Anal. Appl. **485** (2020), no. 2, 123827, 31, DOI 10.1016/j.jmaa.2019.123827. MR4052566

[29] _____, *Sobolev embeddings, rearrangement-invariant spaces and Frostman measures*, Ann. Inst. H. Poincaré C Anal. Non Linéaire **37** (2020), no. 1, 105–144, DOI 10.1016/j.anihpc.2019.06.004 (English, with English and French summaries). MR4049918

[30] D. E. Edmunds, Z. Mihula, V. Musil, and L. Pick, *Boundedness of classical operators on rearrangement-invariant spaces*, J. Funct. Anal. **278** (2020), no. 4, 108341, 56, DOI 10.1016/j.jfa.2019.108341. MR4044737

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