CURRICULUM VITAE

LUBOŠ PICK

Born: October 15, 1961 in Prague, Czechoslovakia

Citizenship: Czech Republic

Employer: Charles University in Prague, Czech Republic

Present position: Professor

Education and scientific degrees:
• 1980–1985 undergraduate study at the Faculty of Mathematics and Physics of the Charles University in Prague;
• 1985 the title RNDr. (Rerum Naturalium Doctor) in Mathematics, awarded by the Charles University in Prague;
• 1990 scientific degree Candidatus Scientiarium (equivalent of PhD.) awarded by the Mathematical Institute of the Czechoslovak Academy of Sciences in Prague;
• 2003 scientific-pedagogical degree 'Docent' (equivalent of Associate Professor) of the Faculty of Mathematics and Physics at the Charles University in Prague.
• 2004 scientific degree Doctor Scientiarium awarded by the Mathematical Institute of the Academy of Sciences of the Czech Republic in Prague;
• 2009 Professor of the Charles University in Prague.

Prizes:
The Prize of the Jan Hlávka Foundation for young scientists, 1996.

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

Research interest: real analysis and functional analysis, function spaces, interpolation, weighted inequalities, integral operators, Sobolev embeddings.

Publishing activity: 1 monograph, 62 original papers.

Citations:

- *Math Sci Net:* 1025 citations by 427 authors (July 2018 - includes self-citations),
- *ISI Web of Knowledge:* 978 citations, 850 citations without self-citations, 537 citing articles without self-citations, h-index 17 (July 2018)

Date: October 22, 2018.

Selected invited plenary lectures at conferences:
• *Function Spaces and Applications*, Freyburg/Unstrut (Germany), July 6-12, 2008;
• *Mathematical Inequalities and Applications 2010*, Lahore, Pakistan, March 6-13, 2010;
• *XXVII Seminar in Differential Equations*, Bořetice, Czech Republic, May 31-June 4, 2010;
• *New trends in spectral theory and applications*, Cardiff, UK, December 18-20, 2010;
• *CIDAMA 2011*, Almería, Spain, September 12-16, 2011;
• *FSDONA 2011*, Tabarz/Thüringen, Germany, September 18-24, 2011;
• *46th Conference of Slovak Mathematicians*, Jasna pod Chopkom, Slovakia, November 20–23, 2014;
• *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.

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

Teaching experience:
external teaching at the Czech Technical University, 1987-1991;

the course "Harmonic Analysis" at the Charles University, Prague, 1990–1991;
the course "Mathematics for Chemists" at the University of Wales, Cardiff, 1991–1994;
the courses "Linear Algebra", "Elementary Calculus" and "Advanced Calculus" at the Brock University, St. Catharines, 2004;
the courses "Mathematical Analysis 1–4" at the Charles University, Prague, 1999–present;
the course "Theory of Interpolation" at the Charles University, Prague, 1999–present;
the course "Theory of Approximation" at the Charles University, Prague, 2007–present;
the course "Banach Function Spaces" at the Charles University, Prague, 2000–present;
the courses "Selected Parts in Functional Analysis" at the Charles University, Prague, 2015–2016.
the seminar "Basic Properties of Function Spaces" at the Charles University, Prague, 2000–present;
the seminar "Function Spaces" at the Mathematical Institute, Czech Academy of Sciences, Prague, 1985–present.

Finished Ph.D. students:

- Jan Vybíral, 2007, currently: Czech Technical University in Prague;
- Lukáš Malý, 2014, currently: University of Cincinatti;
- Filip Soudský, 2015, currently: University of South Bohemia in České Budějovice;
- Lenka Slavíková, 2016, currently: University of Missouri, Columbia;
- Tereza Bártlová (history of mathematics), 2016, currently: Charles University in Prague;
- Martin Křepela, 2017, currently: University of Freiburg;
- Martin Franců, 2018;
- Vít Musil, 2018.

Current Ph.D. students:

- Miloslav Holík;
- Zdeněk Mihula;
- Rastislav Oľhava.

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 Ol'hava, *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.

BSc. theses supervision:

- Eva Pernecká, 2007;
- Ján Marko, 2008;
- Martin Křepela, 2009;
- Miloslav Holík, 2009;
- Martin Franců, 2009;
- Rastislav Ol'hava, 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.

Participation and lectures at conferences in Bulgaria, Canada, Czech Republic, Finland, Georgia, Germany, Hungary, Israel, Japan, Pakistan, Poland, Russian Federation, Slovakia, Spain, Sweden, 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.

Editorial work:

- Editor of the international journal "Mathematical Inequalities and Applications" since 1997;
- Founding editor of the electronic journal "Journal of Inequalities in Pure and Applied Mathematics" since 1999;
- Editor of the international journal "Mathematica Bohemica" since 2008;
- Editor (together with Jaroslav Lukeš) of "Function Spaces", proceedings of the spring school in Analysis, Paseky nad Jizerou 1999, MATFYZPRESS, Prague 1999, 120 pp, ISBN 80-85863-39-1;
- Editor (together with Jaroslav Lukeš) of "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.
- Editor (together with Jaroslav Lukeš) of "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.
- Editor (together with Jaroslav Lukeš) of "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.
- Editor (together with Jaroslav Lukeš) of "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.
- Editor (together with Jaroslav Lukeš) of "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.
- Editor (together with Jaroslav Lukeš) of "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.
- Editor (together with Jaroslav Lukeš) of "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.
- Editor (together with Jaroslav Lukeš) of "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.

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 věta Fermatova*, 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 Stewarts 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).

MONOGRAPHS AND BOOKS

[1] L. Pick, *Optimal Sobolev Embeddings*, Rudolph–Lipschitz–Vorlesungsreihe no. 43, Rheinische Friedrich–Wilhelms–Universität Bonn, 2002, x+144 pp.

[2] L. Pick, A. Kufner, O. John and S. Fučík, *Function Spaces, Volume 1*, 2nd Revised and Extended Edition, De Gruyter Series in Nonlinear Analysis and Applications 14, Walter De Gruyter GmbH, Berlin/Boston 2013, ISBN 978-3-11-025041-1, xv+479 pp.

PAPERS IN ACADEMIC JOURNALS

[1] A. Nekvinda and L. Pick, *A note on the Dirichlet problem for the elliptic linear operator in Sobolev spaces with weight* d_M^ε, Comment. Math. Univ. Carolinae **29,1** (1988), 63–71. MR 89h:35097

[2] L. Pick, *Two weight weak type maximal inequalities in Orlicz classes*, Studia Math. **100,3** (1991), 207–218. MR 94k:42033

[3] M. Krbec and L. Pick, *On imbeddings between weighted Orlicz spaces*, Z. Anal. Anwend. **10,1** (1991), 107–117. MR 93k:46021

[4] P. Gurka and L. Pick, A_∞ *type conditions for general measures in* $\mathbf{R}^1$, Real Anal. Exchange **17,2** (1991/2), 706–727. MR 93h:26024, errata 95c:26017

[5] A. Nekvinda and L. Pick, *Characterization of traces of the weighted Sobolev space* $H^{1,p}_{\varepsilon,M}$, Functiones & Approximatio **20** (1992), 143–151. MR 94a:46038

[6] M. Krbec, B. Opic and L. Pick, *Imbedding theorems for weighted Orlicz–Sobolev spaces*, Jour. London Math. Soc. **46** (1992), 543–556. MR 94g:47041

[7] A. Gogatishvili and L. Pick, *Weighted inequalities of weak and extra–weak type for the maximal operator and the Hilbert transform*, Czechoslovak Math. J. **118** (1993), 547–566. MR 95i:42013

[8] P. Ortega and L. Pick, *Two-weight weak and extra-weak type inequalities for the one-sided maximal operator*, Proc. Royal Soc. Edinburgh **123A, 6** (1993), 1109–1118. MR 95e:42018

[9] F.J. Martín-Reyes, A. de la Torre and L. Pick, *The A^+_∞ condition*, Canad. J. Math. **45,6** (1993), 1231–1244. MR 94m:42042
[10] L. Pick, *Weighted estimates for the Hilbert transform of odd functionss*, Proc. Georgian Acad. Sci. Math. **1** (1993), 87–107. MR 94k:42020
[11] Q. Lai and L. Pick, *The Hardy operator, L_∞ and BMO*, J. London Math. Soc. **48** (1993), 167–177. MR 94e:47042
[12] L. Pick and W. Sickel, *Several types of intermediate Besov–Orlicz spaces*, Math. Nachr. **164** (1993), 141–165. MR 95c:46050
[13] D.E. Edmunds, B. Opic and L. Pick, *Poincaré and Friedrichs inequalities in abstract Sobolev spaces*, Proc. Cambridge Phil. Soc. **113** (1993), 355–379. MR 94e:46057
[14] L. Pick and B. Opic, *On the geometric mean operator*, J. Math. Anal. Appl. **183** (1994), 652–662. MR 95c:47038
[15] D.E. Edmunds, P. Gurka and L. Pick, *Compactness of Hardy type integral operators in weighted Banach function spaces*, Studia Math. **109** (1994), 73–90. MR 95c:47033
[16] W.D. Evans, D.J. Harris and L. Pick, *Weighted Hardy and Poincaré inequalities on trees*, J. London Math. Soc. **152** (1995), 121–136. MR 96i:26020
[17] W.D. Evans, B. Opic and L. Pick, *Interpolation of integral operators on scales of generalized Lorentz–Zygmund spaces*, Math. Nachr. **182** (1996), 127–181. MR 97m:46041
[18] J. Lang and L. Pick, *The Hardy operator and the gap between L_∞ and BMO*, J. London Math. Soc. **57** (1998), 196–208. MR 2000c:47063
[19] A. Cianchi and L. Pick, *Sobolev embeddings into BMO, VMO and L_∞*, Ark. Mat. **36** (1998), 317–340. MR 99k:46052
[20] B. Opic and L. Pick, *On generalized Lorentz-Zygmund spaces*, Math. Inequal. Appl. **2** (1999), 391–467. MR 2000m:46067
[21] D.E. Edmunds, R. Kerman and L. Pick, *Optimal Sobolev imbeddings involving rearrangement-invariant quasinorms*, J. Funct. Anal. **170** (2000), 307–355. MR 2000m:46070
[22] P. Gurka, F.J. Martín-Reyes, P. Ortega, L. Pick, M.D. Sarrión and A. de la Torre, *Good and bad measures*, J. London Math. Soc. **61** (2000), 123–138. MR 2001e:26022
[23] A. Cianchi, R. Kerman, B. Opic and L. Pick, *A sharp rearrangement inequality for fractional maximal operator*, Studia Math. **138** (2000), 277–284. MR 2001h:42029
[24] A. Gogatishvili and L. Pick, *Duality principles and reduction theorems*, Math. Ineq. Appl. **3** (2000), 539–558. 2002c:46056
[25] W.D. Evans, D.J. Harris and L. Pick, *Ridged domains, embedding theorems and Poincaré inequalities*, Math. Nachr. **221** (2001), 41–74. MR 2001k:46045
[26] M. Carro, L. Pick, J. Soria and V. Stepanov, *On embeddings between classical Lorentz spaces*, Math. Inequal. Appl. **4** (2001), 397–428. MR 2002d:46026
[27] L. Pick and M. Růžička, *An example of a space $L^{p(x)}$ on which the Hardy–Littlewood maximal operator is not bounded*, Expo. Math. **19** (2001), 369–371. MR 2002m:42016
[28] J. Malý and L. Pick, *An elementary proof of sharp Sobolev embeddings*, Proc. Amer. Math. Soc. **130** (2002), 555–563. MR 2002j:46042
[29] W.D. Evans, B. Opic and L. Pick, *Real interpolation with logarithmic functors*, J. of Inequal. et Appl. **7** (2002), 187–269. MR 2003k:46105
[30] J. Malý and L. Pick, *The sharp Riesz potential estimates in metric spaces*, Indiana Univ. Math. J. **51** (2002), 251–268. MR 2003d:46045
[31] A. Cianchi and L. Pick, *Sobolev embeddings into spaces of Campanato, Morrey and Hölder type*, J. Math. Anal. Appl. **282** (2003), 128–150. MR 2004e:46039
[32] A. Gogatishvili and L. Pick, *Discretization and anti-discretization of rearrangement-invariant norms*, Publ. Mat. **47** (2003), 311–358. MR 2005f:46053
[33] M. Cwikel, A. Kamińska, L. Maligranda and L. Pick, *Are generalized Lorentz "spaces" really spaces?*, Proc. Amer. Math. Soc. **132** (2004), 3615–3625. MR 2005f:46056
[34] M. Carro, A. Gogatishvili, J. Martín and L. Pick, *Functional properties of rearrangement invariant spaces defined in terms of oscillations*, J. Funct. Anal. **229, 2** (2005), 375-404. MR 2006g:46051
[35] A. Gogatishvili and L. Pick, *Embeddings and duality theorems for weak classical Lorentz spaces*, Canad. Math. Bull. **49 (1)** (2006), 82-95. MR 2006k:26024
[36] R. Kerman and L. Pick, *Optimal Sobolev imbeddings*, Forum Math. **18, 4** (2006), 535–570. MR 2007g:46052
[37] A. Gogatishvili, B. Opic and L. Pick, *Weighted inequalities for Hardy-type operators involving suprema*, Collect. Math. **57, 3** (2006), 227–255. MR 2007g:26019
[38] A. Gogatishvili and L. Pick, *A reduction theorem for supremum operators*, J. Comput. Appl. Math. **208** (2007), 270–279. MR 2009a:26013

[39] M. Carro, A. Gogatishvili, J. Martín and L. Pick, *Weighted inequalities involving two Hardy operators with applications to embeddings of function spaces*, J. Operator Theory **59,2** (2008), 101–124. MR 2009f:26024
[40] R. Kerman and L. Pick, *Compactness of Sobolev imbeddings involving rearrangement-invariant norms*, Studia Math. **186, 2** (2008), 127–160. MR 2009g:46061
[41] A. Cianchi, R. Kerman and L. Pick, *Boundary trace inequalities and rearrangements*, J. Anal. Math. **105** (2008), 241–265. MR 2009m:46048
[42] R. Kerman and L. Pick, *Optimal Sobolev imbedding spaces*, Studia Math. **192, 3** (2009), 195–217. MR 2010b:46071
[43] A. Cianchi and L. Pick, *Optimal Gaussian Sobolev embeddings*, J. Funct. Anal. **256, 11** (2009), 3588–3642. 2011e:46049
[44] A. Gogatishvili and L. Pick, *Calderón-type theorems for operators of non-standard endpoint behaviour*, Indiana Univ. Math. J. **58, 4** (2009), 1831–1852. MR 2010i:46117
[45] A. Nekvinda and L. Pick, *Optimal estimates for the Hardy averaging operator*, Math. Nachr. **283, 2** (2010), 262–271.
[46] A. Cianchi and L. Pick, *An optimal endpoint trace embedding*, Anal. Inst. Fourier **60, 3** (2010), 939–951.
[47] S. Hencl, J. Malý, L. Pick and J. Vybíral, *Weak estimates cannot be obtained by extrapolation*, Expo. Math. **28** (2010), 375–377.
[48] J. Lukeš, L. Pick and D. Pokorný, *On geometric properties of the spaces $L^{p(x)}$*, Rev. Mat. Complutense **24, 1** (2011), 115–130.
[49] A. Nekvinda and L. Pick, *Duals of optimal spaces for the Hardy averaging operator*, Z. Anal. Anwend. **30** (2011), 435–456.
[50] R. Kerman and L. Pick, *Explicit formulas for optimal rearrangement-invariant norms in Sobolev imbedding inequalities*, Studia Math. **206, 2** (2011), 97–119.
[51] A. Gogatishvili, L. Pick and J. Schneider, *Characterization of a rearrangement-invariant hull of a Besov space via interpolation*, Rev. Mat. Complutense **25, 1** (2012), 267–283.
[52] A.L. Bernardis, A. Gogatishvili, F.J. Martín-Reyes, P. Ortega Salvador and L. Pick, *The one-sided A_p conditions and local maximal operator*, Proc. Edinburgh Math. Soc. **55** (2012), 79–104.
[53] E. Pernecká and L. Pick, *Compactness of Hardy operators involving suprema*, Boll. Un. Mat. Ital. **9, VI, 1** (2013), 219–252.
[54] F. Cobos, A. Gogatishvili, B. Opic and L. Pick, *Interpolation of uniformly absolutely continuous operators*, Math. Nachr. **286, 5-6** (2013), 579–599.
[55] R. Kerman, C. Phipps and L. Pick, *Marcinkiewicz interpolation theorems for Orlicz and Lorentz gamma spaces*, Publ. Mat. **58** (2014), 3–30.
[56] A. Gogatishvili, L. Pick and F. Soudský, *Characterization of associate spaces of weighted Lorentz spaces with applications*, Studia Math. **224** (2014), 1–23.
[57] A. Cianchi, L. Pick and L. Slavíková, *Higher-order Sobolev embeddings and isoperimetric inequalities*, Adv. Math. **273** (2015), 568–650.
[58] A. Cianchi and L. Pick, *Optimal Sobolev trace embeddings*, Trans. Amer. Math. Soc. **368** (2016), 8349–8382.
[59] E. Buriánková, D. E. Edmunds and L. Pick, *Optimal function spaces for the Laplace transform*, Rev. Mat. Complutense **30** (2017), 451–465.
[60] A. Gogatishvili, M. Křepela, L. Pick and F. Soudský, *Embeddings of Lorentz-type spaces involving weighted integral means*, J. Funct. Anal. **273, 9** (2017), 2939–2980.
[61] P. Cavaliere, A. Cianchi, L. Pick and L. Slavíková, *Norms supporting the Lebesgue differentiation theorem*, Commun. Contemp. Math. **20, 1** (2018), 1750020, 33pp.
[62] A. Alberico, A. Cianchi, L. Pick and L. Slavíková, *Sharp Sobolev type embeddings on the entire Euclidean space*, Comm. Pure Appl. Anal. **17, 5** (2018), 2011-2037.

PAPERS ACCEPTED FOR PUBLICATION

[63] A. Cianchi, L. Pick and L. Slavíková, *Banach algebras of weakly differentiable functions*, J. Anal. Math., accepted for publication.

PAPERS IN CONFERENCE PROCEEDINGS

[1] L. Pick, *Two weights weak type inequality for the maximal function in $L(1+\log L)^K_+$*, Constructive Theory of Functions'87. Proceedings of the Conference held in Varna (Bulgaria), May-June 1987. Publ. House Bulg. Acad. Sci., Sofia, 1988, 377–381. MR 90c:42026
[2] L. Pick, *Maximal inequalities and imbeddings in weighted Orlicz spaces*, Function Spaces. Proceedings of the 2nd International Conference held in Poznań (Poland), September 1989. J. Musielak et al. (eds.), Teubner-Texte zur Math. 120, B.G. Teubner, Stuttgart, 1991, 35–40. CMP:92 09

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