

CURRICULUM VITAE

JAKUB TAKÁČ

Born: January 2, 1997 in Pardubice

Citizenship: Czech Republic

Education:

- 2016–2019: Bachelor study, General Mathematics, Charles University in Prague, Faculty of Mathematics and Physics
- 2019–2021: Masters study, Mathematical Analysis, Charles University in Prague, Faculty of Mathematics and Physics, graduated with exceptional grades, awarded the Red Diploma.
- 2021–present: PhD. study, CDT in Mathematics, University of Warwick.

Research interest: Geometric measure theory, function spaces, inequalities

Publishing activity:

[1] J. Takáč, *Optimality of function spaces for kernel integral operators*; submitted to *Mathematische Nachrichten*, arXiv:2010.08632

Teaching:

- 2019/2020 winter term,
tutorial, Mathematics 1, Faculty of Social Sciences, Charles University
Awarded the "Zlatý kurz" (=golden course) prize
- 2019/2020 summer term,
tutorial, Mathematics 2, Faculty of Social Sciences, Charles University
Awarded the "Zlatý kurz" (=golden course) prize
- 2020/2021 winter term,
tutorial, Mathematical Analysis 1, Faculty of Mathematics and Physics, Charles University
Guide for first year students during times of distant teaching (part of the official "Průvodci" programme at the Faculty of Mathematics and Physics, Charles University).

Scholarships and grants:

- Scholarship for excellent study results 2016/2017
- Scholarship for excellent study results 2019/2020
- P201-18-00580S, Czech Science Foundation, 2018–2020 (young researcher)
- Danube Region Grant no. 8X21 TIFREFUS, 2020–2021 (young researcher in the Czech team)
- GAUK (Grant agency of the Charles university) number 327321, 2021 (principal investigator)

Awards:

- 2019 second place in the competition SVOČ in Mathematics and Computer Science held in Brno for project titled *Optimality of function spaces for integral operators*

Date: October 10, 2021.

- 2019 Dean's prize for the best Bachelor thesis in the academic year 2018/2019 in mathematics (Charles University in Prague, Faculty of Mathematics and Physics) for the thesis *Optimality of function spaces for integral operators*
- 2021 second place (no first place awarded) in the competition SVOČ in Mathematics and Computer Science held in Prague for project titled *Interpolation of logarithmically convex combinations of operators*

Participation at conferences and workshops:

- 11th Spring School of Function Spaces and Applications, Paseky nad Jizerou, Czech Republic, 2019
- Sommerschule "Analysis und Theoretische Numerik", Siegmundsburg, Germany, 2019
- Semminar "Function Spaces and PDEs", Mała Ciche, Poland, 2019
- Sommerschule "Analysis und Theoretische Numerik", Siegmundsburg, Germany, 2020
- International Conference "QIND60" (Qualitative Improvement and New Dimensions), Špindlerův Mlýn, Czech Republic, 2020
- International Workshop "GeoCa" (Geometric Analysis and Calculus of Variations), Lysečiny, Czech Republic, 2020
- International Workshop "Per Partes", Lysečiny, Czech Republic, 2021
- International conference "LUBOŠ60", Železná Ruda, Czech Republic, 2021

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