

Jakub Rondoš

Personal data

Born on 15th August, 1992 in Prague 2.

Education

2012-2015

Department of Mathematical Analysis, Faculty of Mathematics and Physics, Charles University in Prague, Bachelor degree

Bachelor thesis: *Desintegrace kategorie v duchu Kuratowského-Ulamovy věty*

Supervisor: prof. RNDr. Jiří Spurný, Ph.D., Dsc.

2015-2017

Department of Mathematical Analysis, Faculty of Mathematics and Physics, Charles University in Prague, degree Master of Science

Diploma thesis: *Integrální reprezentace prostorů vektorových spojitých funkcí*

Supervisor: prof. RNDr. Jiří Spurný, Ph.D., Dsc.

2017-2021

Department of Mathematical Analysis, Faculty of Mathematics and Physics, Charles University in Prague, Ph.D. degree

Doctoral thesis: *Vector-valued integral representation*

Supervisor: prof. RNDr. Jiří Spurný, Ph.D., Dsc.

Employment

2021

Postdoctoral researcher

Department of Mathematics, Faculty of Electrical Engineering,
Czech Technical University in Prague

2022-2023

Postdoctoral researcher

Department of Mathematical Analysis, Faculty of Mathematics and Physics,
Charles University in Prague

2023-2024

Postdoctoral researcher

Faculty of Mathematics,
University of Vienna

2024-present

Assistant professor

Department of Mathematics, Faculty of Electrical Engineering,
Czech Technical University in Prague

Publications

- [1] Grzegorz Plebanek, Jakub Rondoš, and Damian Sobota. Complemented subspaces of Banach spaces $\mathcal{C}(K \times L)$. *Journal of Functional Analysis*, 290(2):111236, 2026.

- [2] Jakub Rondoš and Damian Sobota. On embedding separable spaces $\mathcal{C}(L)$ in arbitrary spaces $\mathcal{C}(K)$. *Banach J. Math. Anal.*, 19, 2025.
- [3] Ondřej F. K. Kalenda, Jakub Rondoš, and Jiří Spurný. Boundary integral representation of multipliers of fragmented affine functions and other intermediate function spaces. *Rendiconti del Circolo Matematico di Palermo Series 2*, 74, 2025.
- [4] Jakub Rondoš. On isomorphisms of $\mathcal{C}(K)$ spaces and cardinal invariants of derivatives of K . *Israel Journal of Mathematics*, 267:871 – 899, 2025.
- [5] Jakub Rondoš and Jacopo Somaglia. Isomorphisms of $\mathcal{C}(K, E)$ spaces and height of K . *Mediterranean Journal of Mathematics*, 20(194), 2023.
- [6] Jakub Rondoš. On the Banach-Mazur distance between continuous function spaces with scattered boundaries. *Czechoslovak Mathematical Journal*, 73:367–393, 2023.
- [7] Jakub Rondoš and Jiří Spurný. Baire bijections of extreme points generated by small-bound isomorphisms of simplex spaces. *Filomat*, 36(15):5251–5262, 2022.
- [8] Jakub Rondoš and Jiří Spurný. The Dirichlet problem on compact convex sets. *Journal of Functional Analysis*, 281(12), 2021.
- [9] Jakub Rondoš and Jiří Spurný. A weak vector-valued Banach–Stone theorem for Choquet simplices. *Archiv der Mathematik*, 117(5):529–536, 2021.
- [10] Jakub Rondoš and Jiří Spurný. An Amir–Cambern theorem for subspaces of Banach lattice-valued continuous functions. *Banach Journal of Mathematical Analysis*, 15(30), 2021.
- [11] Jakub Rondoš and Jiří Spurný. Maximum principle for abstract convex functions. *Journal of Convex Analysis*, 28(3), 2021.
- [12] Jakub Rondoš and Jiří Spurný. Isomorphisms of subspaces of vector-valued continuous functions. *Acta Mathematica Hungarica*, 164:200–231, 2021.
- [13] Jakub Rondoš and Jiří Spurný. Small-bound isomorphisms of function spaces. *Journal of the Australian Mathematical society*, 111:412–429, 2021.
- [14] Jakub Rondoš and Jiří Spurný. On fragmented convex functions. *Journal of Mathematical Analysis and Applications*, 484(2):123757, 2020.
- [15] Jakub Rondoš and Jiří Spurný. A characterization of simplicial spaces by an extension property. *Bulletin Polish Acad. Sci. Math.*, 68(3):89–95, 2020.
- [16] Jakub Rondoš and Jiří Spurný. Isomorphisms of spaces of affine continuous complex functions. *Mathematica Scandinavica*, 125(2):270–290, 2019.

Grants

2018

Research grant GAČR 17-00941S of the Czech Science Foundation (collaborator)

2020

Research grant GAUK 864120 of the Charles University Grant Agency

2025

Research grant GAČR GA23-04776S of the Czech Science Foundation (collaborator)

Conferences

06/2025

Symposium in Real Analysis

Madrid, Spain

(lecture)

01/2025

Winter School in Abstract Analysis

Vlachovice, Czech Republic

(lecture)

07/2024

New perspectives in Banach spaces and Banach lattices

Castro Urdiales, Spain

(lecture)

06/2024

Methods in Banach spaces

Badajoz, Spain

(lecture)

01/2024

Winter School in Abstract Analysis

Vlachovice, Czech Republic

(lecture)

07/2023

Lluís Santaló School: Linear and non-linear analysis in Banach spaces

Santander, Spain

(lecture)

06/2023

Symposium in Real Analysis

Caserta, Italy

01/2023

Winter School in Abstract Analysis

Sněžné, Czech Republic

(lecture)

06/2022

Functional Analysis in Lille, a conference in honor of Gilles Godefroy

Lille, France

(lecture)

05/2022

Workshop on Banach Spaces and Banach Lattices II

Madrid, Spain

(lecture)

01/2022

Winter School in Abstract Analysis

Sněžné, Czech Republic

(lecture)

01/2020
Winter School in Abstract Analysis
Svratka, Czech Republic
(lecture)

09/2019
Workshop on Banach Spaces and Banach Lattices
Madrid, Spain
(lecture)

01/2019
Winter School in Abstract Analysis
Svratka, Czech Republic

08/2018
Young mathematicians in C^* -algebras,
Leuven, Belgium

01/2018
Winter School in Abstract Analysis
Svratka, Czech Republic