Day of Doctoral Students of the School of Mathematics
Charles University, Faculty of Mathematics and Physics

June 10, 2021

Conference schedule

Time	Speaker	Stud.	Yr.	Lecture title
08:35–08:40	Opening			
08:40–09:00	Hana Turčinová	P4M3	2	Fine properties of Sobolev functions in the context of rearrangement-invariant spaces
09:00–09:20	Zdeněk Silber	P4M3	3	Weak* derived sets
09:20–09:40	Manvi Grover	P4M3	3	Description of K-spaces by means of J-spaces and the reverse problem in the limiting real interpolation
09:40–09:50	Break			
09:50–10:10	Sunčica Sakić	P4M6	1	Numerical solution of degenerate parabolic equations: A priori analysis
10:10–10:30	Hyungeun Shin	P4M6	1	Numerical solution of degenerate parabolic equations: A posteriori analysis
10:30–10:50	Eva Havelková	P4M6	2	Numerical solution of inverse problems in 3D imaging
10:50–11:00	Break			
11:00–11:20	Eda Oktay	P4M6	1	Mixed precision numerical linear algebra
11:20–11:40	Noaman Khan	P4M6	1	Inexact preconditioning for iterative methods
11:40–12:00	Petr Vacek	P4M6	2	Multilevel methods with inexact solver on the coarsest level
12:00–12:20	Dorota Šimonová	P4M6	2	Exact Lanczos algorithm
12:20–13:20	Lunch break			
13:20–13:40	Lukáš Vacek	P4M6	3	Theory and numerical solution of traffic flow models
13:40–14:00	Jindřich Michalik	P4M8	2	Mathematical games of Sid Sackson
14:00–14:20	Jakub Řada	P4M8	2	Walking through a wall using 4D space
14:20–14:30	Break			
14:30–14:50	Jan Niklas Latz	P4M9	1	Generalisations of Lloyd-Sudbury dualities for IPS
14:50–15:10	Iva Karafiátová	P4M9	1	Stochastic methods in microstructure analysis
15:10–15:30	Petr Vejmělka	P4M9	2	Stochastic approaches to reserving in non-life insurance
15:30–15:50	Ondřej Týbl	P4M9	2	Stabilization of dynamical systems by noise with jumps
15:50–16:00	Break			
16:00–16:20	Michael Zelina	P4M3	1	Hydrodynamic stability for the dynamic slip boundary condition
16:20–16:40	Martin Sýkora	P4F11	2	Non-equilibrium thermodynamics of hyperbolic systems
16:40–17:00	Alena Jarolímová	P4F11	1	Variational data assimilation in computational haemodynamics
17:00–17:20	David Cichra	P4F11	1	Mathematical models describing the inelastic response of solids
17:20–17:30	Break			
17:30–17:50	Jakub Fara	P4F11	1	Fluid-structure interaction: non-standard interface conditions
17:50–18:10	Ana Radošević	P4F11	2	Uniqueness and regularity results for fluid-structure interaction problems, and related subjects
18:10–18:30	Jan Scherz	P4M3	2	Fluid structure interaction in an incompressible conducting fluid