

# Friday November 15, 2024

14:00–14:20	Coffee and opening	
	<b>T208</b>	<b>T209</b>
14:20–14:40	Tereza Lehečková <i>Nové směry výzkumu ve Weylově konformní gravitaci</i>	Nichita Vatamaniuc <i>Spectral Feature-Based EEG Classification for Alzheimer's Disease Detection</i>
14:45–15:05	Filip Moučka <i>The Tangent Bundle Is Sometimes a Courant Algebroid</i>	Kristina Jarůšková <i>Masked Image Modeling for Image Completion on Simulated Calorimeter Data</i>
15:10–15:30	Rudolf Šmolka <i>Graded Vector Bundles as Graded Manifolds</i>	Radovan Zeman <i>Hybrid Experimental/Computational Approach to Time Reversal Source Localization in Thin Plates Using Image Source Method</i>
15:30–16:00	Coffee	
16:00–16:20	Vojtěch Teska <i>Central Splitting of Discrete Transforms On Weyl Group Invariant Lattices</i>	Matěj Pokorný <i>Construction of 2D and 3D Local TRM Image Texture Invariants</i>
16:25–16:45	Patrik Šnauko <i>Spektra některých Jacobiho matic</i>	Marek Dědič <i>Convolutional Signal Propagation: A Simple Scalable Algorithm for Hypergraphs</i>

# Friday November 22, 2024

14:00–14:20	Coffee and opening	
	<b>T208</b>	<b>T209</b>
14:20–14:40	Maneesh Narayanan <i>Computational Studies of Space Curve Dynamics</i>	Antonie Brožová <i>Avoiding Undesirable Solutions of Deep Blind Image Deconvolution</i>
14:45–15:05	Juraj Kováč <i>A GENERIC Theory of Phase Transitions</i>	Martin Kovanda <i>Comparison of Parameter Estimation Methods in Cyclic Plastic Loading</i>
15:10–15:30	Hazal Yurtbak <i>Burgers' Type Equation as a Model of Reaction-Diffusion Pattern Formation</i>	Vladislav Belov <i>Information Flow in Neural Networks</i>
15:30–16:00	Coffee	
16:00–16:20	Lukáš Heriban <i>Non-local Relativistic <math>\delta</math>-shell Interactions</i>	Jan Kovář <i>Mathematical modeling of myocardial perfusion using lattice Boltzmann method</i>
16:25–16:45	David Kramár <i>Dirac Operators on the Half-Line: Stability of Spectrum and Non-relativistic Limit</i>	Martin Jex <i>Robust Multiphase-Split Calculations Based on Improved Successive Substitution Schemes</i>
16:50–17:20	Václav Růžek <i>Dirac Operator on Graphs</i>	Martin Zemko <i>AMBER Experiment's Online Filter System for Virtualised IT Infrastructure</i>