

Czech-Georgian Workshop on Boundary Value Problems

6 June 2023 — 8 June 2023, Brno

Program

Tuesday, 6 June 2023

13:00 *Opening*

13:15 **Aleksandre Lomtadze** Periodic Problem for Relativistic Pendulum Type Systems

14:15 **Robert Hakl** Periodic-Type Solutions for Differential Equations with Positively Homogeneous Operators

14:45 **Nino Partsvania** On the Conditions of Solvability of the Cauchy Problem for Singular in Time and Phase Variables Differential Equations with Deviating Arguments

15:15 **Jiří Šremr** On Some Asymptotic Properties of Solutions to Second-Order Linear Differential Equations with Periodic Non-Constant Coefficients

16:15 **Roman Šimon Hilscher** Sturm Type Singular Comparison Theorem for Linear Hamiltonian Systems

Wednesday, 7 June 2023

9:00 **Pavel Řehák** Asymptotics of Nonlinear Fractional Differential Equations and Regular Variation

9:45 **Petr Tomášek** Root Location Analysis of Trinomial with Strictly Complex Coefficients

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10:15 **Luděk Nechvátal** Lambert W Function and (Fractional) Delay
Differential Equations

Round Table, Discussion

Lunch

Brno Visit Tour

Thursday, 8 June 2023

9:00 **Milan Tvrđý** Bifurcation of Periodic Solutions to Nonlinear
Distributional Differential Equations

10:00 **Zuzana Došlá** On Unbounded Solutions for Differential Equations
with Mean Curvature Operator

10:30 **Nino Partsvania,
Zaza Sokhadze** On Rapidly Growing Solutions of Second Order
Nonlinear Differential Equations

11:00 **Zdeněk Opluštil** Oscillation Criteria for the Second-Order Linear
Advanced Differential Equations