

Czech-Georgian Workshop on Boundary Value Problems

8 – 11 February, 2016, Brno, Czech Republic

Program

Monday, 8 February 2016

14:30-15:15 **Drábek Pavel** (Plzeň)

Hardy inequality, compact embeddings and properties of certain eigenvalue problems

15:15-15:35 *Coffee Break*

15:35-16:20 **Stehlík Petr** (Plzeň)

Qualitative properties of lattice reaction-diffusion equations

Tuesday, 9 February 2016

10:00-10:45 **Kiguradze Ivan, Kiguradze Tariel** (Tbilisi, Melbourne)

Oscillatory solutions of higher order sublinear differential equations

10:45-11:05 *Coffee Break*

11:05-11:50 **Monteiro Gissele** (Praha)

Greatest and least solutions of measure differential equations

11:50-14:00 *Lunch*

14:00-14:45 **Řehák Pavel** (Brno)

Asymptotic formulae for solutions of half-linear differential equations

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- 15:00-15:30 **Staněk Svatoslav** (Olomouc)
The Neumann problem for two-term fractional differential equations
- 15:30-15:50 *Coffee Break*
- 15:50-16:20 **Došlá Zuzana** (Brno)
Dirichlet problem on the half-line for nonlinear second-order differential equations
- 16:35-17:20 **Urbanovich Tatsiana** (Polotsk)
To the theory of the exceptional case of the linear conjugation problem in weighted Hölder classes

Wednesday, 10 February 2016

- 10:00-10:45 **Kiguradze Ivan** (Tbilisi)
On oscillatory solutions of higher order nonlinear nonautonomous differential equations and systems
- 10:45-11:05 *Coffee Break*
- 11:05-11:50 **Šimon Hilscher Roman** (Brno)
Principal and antiprincipal solutions at infinity for nonoscillatory linear Hamiltonian systems
- 11:50-14:00 *Lunch*
- 14:00-14:45 **Partsvania Nino** (Tbilisi)
Positive solutions of nonlinear boundary value problems on an infinite interval for two-dimensional singular differential systems
- 15:00-15:30 **Kotrla Lukáš** (Plzeň)
The p -trigonometric and p -hyperbolic functions in real and complex domain

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15:30-15:50 *Coffee Break*

15:50-16:35 **Astashova Irina** (Moscow)

On the existence of vanishing at infinity solutions to a second order differential equation with hyperbolic nonlinearity

16:50-17:35 **Lomtadze Alexander** (Brno)

Periodic boundary value problem for second-order ordinary differential equations

Thursday, 11 February 2016

10:00-10:45 **Rachůnková Irena** (Olomouc)

Dirichlet problem with impulses at state-dependent moments

10:45-11:05 *Coffee Break*

11:05-11:50 **Šremr Jiří** (Brno)

Non-negative periodic solutions of second-order differential equations with sublinear nonlinearities

12:00-12:45 **Sokhadze Zaza** (Kutaisi)

On oscillatory solutions of second order nonlinear delay differential equations