

Japan-China Joint Workshop on Ordinary Differential Equations and Related Topics in Matsue 2015

September 19–20, 2015

Room 609, Interdisciplinary Faculty of Science and Engineering 3,
Matsue Campus, Shimane University
Matsue 690-8504, Japan

Organizing Committee

Jitsuro Sugie (Shimane Univ.)

Meng Fan (Northeast Normal Univ.)

Program

September 19

(Opening)

10:00 ~ 10:40 Fentao Wu (Northeast Normal University)
Existence of eventually positive solutions of three-order quasilinear differential equations

(Break)

10:55 ~ 11:15 Kazuki Ishibashi* (Shimane University)
Jitsuro Sugie (Shimane University)
Parameter region for oscillation of generalized Mathieu equations

11:20 ~ 11:40 Xin Wang* (Northeast Normal University)
Meng Fan (Northeast Normal University)
Lina Hao (Changchun University of Technology)
Adaptive evolution of foraging-related trait in intraguild predation system

(Lunch)

14:00 ~ 14:20 Takashi Yamasaki* (Shimane University)
Jitsuro Sugie (Shimane University)
Global asymptotic stability for two-dimensional linear systems with time-dependent coefficients

14:25 ~ 14:45 Congbo Xie* (Northeast Normal University)
Meng Fan (Northeast Normal University)
Xin Wang (Northeast Normal University)
Ming Chen (Northeast Normal University)
Dynamic models for the life history of the scyphozoa

(Break)

15:00 ~ 15:20 Masatoshi Minei* (Shimane University)
Jitsuro Sugie (Shimane University)
Convergence of solutions of damped linear oscillators with integrable forcing term

15:25 ~ 15:45 Chunmei Zhang* (Northeast Normal University)
Meng Fan (Northeast Normal University)
Existence and robustness of nonuniform (h, κ, μ, ν) -trichotomies for nonautonomous differential equations

(Break)

16:00 ~ 16:20 Yazhou Sun* (Northeast Normal University)
Meng Fan (Northeast Normal University)
The stability of linear one-way network in particular cases

16:25 ~ 16:45 Xinmiao Rong (Northeast Normal University)
The study of the dynamic model for snowshoe hare-lynx

September 20

10:00 ~ 10:20 Zhikun Sun* (Northeast Normal University)
Fentao Wu (Northeast Normal University)
Oscillation and nonoscillation theorems for second order ordinary equations

10:25 ~ 10:45 Yongren Song* (Northeast Normal University)
Fentao Wu (Northeast Normal University)
Riccati technique of non-oscillation of half-linear second order differential equation

(Break)

11:00 ~ 11:20 Hang Gao (Northeast Normal University)
Yujing Tang* (Northeast Normal University)
Optimal initial value control problem for parabolic equation system
(Closing)