RIMS Workshop

Reconsideration of the method of estimates on partial differential equations from a point of view of the theory on abstract evolution equations

October 22-24, 2014

RIMS, Kyoto, JAPAN

Program

October 22 (Wed.)

13:00∼13:45 Koichi Osaki (Kwansei Gakuin University)
Global existence of solutions to a parabolic-parabolic chemotaxis system with subquadratic growth

13:55∼14:40 Yusuke Yoshida (Waseda University)
Asymptotic behavior of solutions for semilinear Volterra diffusion equations with spatial inhomogeneity

15:00∼15:45 Hiroshi Watanabe (Salesian Polytechnic)
Existence and uniqueness of entropy solutions to strongly degenerate parabolic equations with variable coefficients

15:55∼16:40 Yohei Fujishima (Osaka University)
Effect of higher order derivatives of initial data on the blow-up set for a semilinear heat equation

October 23(Thur.)

10:00∼10:45 Kentarou Fujie (Tokyo University of Science)
Boundedness in chemotaxis systems with singular sensitivity

10:55∼11:40 Yutaka Tsuzuki (Tokyo University of Science)
Solvability of parabolic equations with constraints coupled with Navier-Stokes equations

11:40∼13:20 Lunch

13:20∼14:05 Yusuke Kawai (Waseda University)
Big and small spreading phenomena for free boundary problems of spruce budworm models

14:15∼15:00 Shoji Shimizu (Waseda University)
Subdifferential operator approach to complex Ginzburg-Landau equation

15:15∼16:00 Augusto Visintin (Universita degli Studi di Trento)
Compactness and Structural Stability of Nonlinear Flows

16:10∼16:55 Nobuyuki Kenmochi (Bukkyo University)
Quasi-variational inequalities in economic growth models with technological development

——— Banquet ———-

October 24(Fri.)

10:00∼10:45 Masakazu Yamamoto (Hirosaki University)
Asymptotic behavior of solutions to the drift-diffusion equation of elliptic type

10:55∼11:40 Katsuyuki Ishii (Kobe University)
Rate of convergence of an algorithm for curvature-dependent motions of hypersurfaces