

Ito Workshop on Partial Differential Equations

Date August 24 (Thurs.) – August 25 (Fri.), 2017

Venu IMI auditorium, Kyushu University Ito Campus
(West Zone 1 Building D 413)

<http://www.imi.kyushu-u.ac.jp/eng/>

TEL: 092-802-4402

Program

August 24 (Thursday)

- 9:30 ~ 10:00 Hantaek Bae (UNIST)
Regularity and decay properties of the incompressible Navier-Stokes equations
- 10:00 ~ 10:30 Hiroyuki Hirayama (University of Miyazaki)
Well-posedness for the Zakharov-Kuznetsov-Burgers equation in two space dimensions
- 10:50 ~ 11:20 Takamori Kato (Saga University)
Local well-posedness in low regularity of fifth order KdV type equations with periodic boundary condition
- 11:40 ~ 12:10 Kyudong Choi (UNIST)
Models of 2D Inviscid Boussinesq System
- 12:10 ~ 12:40 Hideki Murakawa (Kyushu University)
Classification and analysis of fast reaction limit problems
- 14:10 ~ 14:40 Michiaki Onodera (Tokyo Institute of Technology)
Hyperbolic solutions to Bernoulli's free boundary problem
- 14:50 ~ 15:20 Chang-Yeol Jung (UNIST)
Boundary layers for the Primitive equations in a cube
- 15:30 ~ 16:00 Yukihiro Seki (Kyushu University)
Some blow-up mechanisms driven by Dirac delta approximation of nonlinear term in semilinear parabolic equations

- 16:30 ~ 17:00 Masahiro Suzuki (Nagoya Institute of Technology)
Bifurcation analysis of an equation for gas discharge
- 17:10 ~ 17:40 Soyeun Jung (Kongju National University)
Bifurcating spatially periodic solutions and their stability of the Brusselator model

August 25 (Friday)

- 9:30 ~ 10:00 Tohru Nakamura (Kumamoto University)
Viscous shock wave and singular limit for scalar conservation laws with Cattaneo's law
- 10:00 ~ 10:30 Ryo Takada (Kyushu University)
Time periodic problem for rotating stably stratified fluids
- 10:50 ~ 11:20 Eunkyung Ko (UNIST)
Existence of multiple positive solutions for a singular $p(x)$ -Laplacian equation
- 11:40 ~ 12:10 Hiroshi Takeda (Fukuoka institute of technology)
Asymptotic profile of solutions to a nonlinear wave equation with strong damping
- 12:10 ~ 12:40 Yoshihiro Ueda (Kobe University)
Classification of the dissipative structure for the hyperbolic system with relaxation
- 14:10 ~ 14:40 Bongsuk Kwon (UNIST)
Quasi-neutral limit for the Euler-Poisson system
- 14:50 ~ 15:20 Shuji Yoshikawa (Oita University)
Asymptotic profile of solution for the Cauchy problem of beam equation with variable coefficient
- 15:30 ~ 16:00 Tohru Wakasa (Kyushu Institute of Technology)
Singularly perturbed linearized eigenvalue problem for 1-D scalar field equations
- 16:30 ~ 17:00 Jinmyoung Seok (Kyonggi University)
Ground states to Pseudo-relativistic Mean Field equations
- 17:10 ~ 17:40 Hiroshi Watanabe (Oita University)
Well-posedness for some degenerate parabolic-elliptic systems

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