

RIMS Workshop
on
Mathematical Analysis in Fluid and Gas Dynamics

Organizers Shinya Nishibata
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Date : from July 8 to 10 2009
Venue : Kyodaikaikan, Room No. 210

Program

Wednesday, July 8

- 14 : 00 ~ 14 : 50 Masaru Yamaguchi (Tokai Univ.)
Periodic oscillations of a linear wave equation with small time-periodic potentials
- 15 : 00 ~ 15 : 50 Ryo Ikehata (Hiroshima Univ.)
Decay estimates of the energy for wave equations with a critical potential
- 16 : 10 ~ 17 : 00 Shugo Yasuda (Kyoto Univ.)
Viscoelastic behavior of polymer melt in rapidly oscillating plates: an application of multiscale modeling

Thursday, July 9

- 10 : 00 ~ 10 : 50 Kenji Nishihara (Waseda Univ.)
Asymptotic behavior of solutions for the damped wave equation with absorbing semilinear term
- 11 : 00 ~ 11 : 50 Shigeru Takata (Kyoto Univ.)
Symmetry of the linearized Boltzmann equation

- 14 : 00 ~ 14 : 50 Mei Ming (Champlain College & McGill University)
Best asymptotic profile for hyperbolic p-System with damping
- 15 : 00 ~ 15 : 50 Tohru Nakamura (Kyusyu Univ.)
Stationary waves for viscous heat-conductive fluid in half space
- 16 : 10 ~ 17 : 00 Akitaka Matsumura (Osaka Univ.)
A remark on global weak solution in time for a system of compressible viscous fluid with large external potential force

Friday, July 10

- 10 : 00 ~ 10 : 50 Hideyuki Miura (Osaka Univ.)
Landau solutions for incompressible Navier-Stokes equations and applications
- 11 : 00 ~ 11 : 30 Yuka Naito (Waseda Univ.)
On the Stokes and Navier-Stokes equations with Robin boundary condition in a perturbed half space
- 11 : 40 ~ 12 : 10 Naoto Nakano (Keio Univ.)
On motion of inhomogeneous incompressible fluid-like bodies with Navier's slip conditions
- 14 : 00 ~ 14 : 50 Yasunori Maekawa (Kobe Univ.)
Three dimensional stability of the Burgers vortex
- 15 : 00 ~ 15 : 30 Ryo Takada (Tohoku Univ.)
Nonexistence of backward self-similar weak solutions to the Euler equations
- 14 : 40 ~ 15 : 30 Tai-Ping Liu (Academia Sinica and Stanford Univ.)
Stability of Viscous Shock Waves