RIMS International Workshop 2016

Workshop on the Boltzmann Equation, Microlocal Analysis and Related Topics

Date: 27\textsuperscript{th} -- 29\textsuperscript{th} May, 2016

Venue: Kyoto University Clock Tower Centennial Hall
- Conference Room III (27\textsuperscript{th}, 29\textsuperscript{th})
- International Conference Hall I (28\textsuperscript{th})

Program

27\textsuperscript{th} (Friday)
10:00--10:10 Welcome speech
   Hisashi Okamoto (Kyoto University)
10:10--11:00
   Hua Chen (Wuhan University)
   Estimates of Dirichlet eigenvalues for degenerate elliptic operators
11:10--12:00
   Karel Pravda-Starov (Université de Rennes 1)
   Null-controllability of hypoelliptic quadratic differential equations
(Lunch)
13:45--14:35
   Yong-Kum Cho (Chung-Ang University)
   Radial positive definite functions and the Boltzmann equation
14:45--15:35
   Setsuro Fujiie (Ritsumeikan University)
   Microlocal method for the semiclassical distribution of resonances
(Coffee)
16:00--16:50
   Huijiang Zhao (Wuhan University)
   Global large solutions to a viscous heat-conducting one-dimensional gas with temperature-dependent viscosity
28th (Saturday)
10:00--10:50
   Takayoshi Ogawa (Tohoku University)
   Global behavior of solutions to a drift-diffusion system in higher dimensions.
11:10--12:00
   Yasunori Maekawa (Kyoto University)
   On viscous incompressible flows around a rotating obstacle in two-dimensions
   (Lunch)
14:00--14:50
   Shuichi Kawashima (Kyushu University)
   Discrete kinetic theory and hyperbolic balance laws
15:10--16:00
   Chao-Jiang Xu (Université de Rouen and Wuhan University)
   Microlocal analysis on partial differential equations
   -- Some contributions by Yoshinori Morimoto
18:30--20:30   Banquet
   Fortune Garden Kyoto, Cozy Room

29th (Sunday)
10:00--10:50
   Chisato Iwasaki (University of Hyogo)
   Precise construction of fundamental solutions for degenerate operators and their applications
11:10--12:00
   Fumioki Asakura (Osaka Electro-Communication University)
   Electromagnetic Shock Tube Problem --Ionization by a single shock wave--
   (Lunch)
13:45--14:35
   Renjun Duan (The Chinese University of Hong Kong)
   How Besov meets Boltzmann for well-posedness
14:45--15:35
  Shinya Nishibata (Tokyo Institute of Technology)
  Outflow/inflow problems to symmetric hyperbolic-parabolic systems
(Coffee)
16:00--16:50
  Tong Yang (City University of Hong Kong)
  Measure value solutions to the Boltzmann equation
16:50--17:00  Closing speech
  Yoshio Tsutsumi (Kyoto University)

Organizers
  Hisashi Okamoto (Kyoto University)
  Yoshio Tsutsumi (Kyoto University)
  Naomasa Ueki (Kyoto University)
  Senjo Shimizu (Kyoto University, Chair)

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