Regularity and Singularity for Partial Differential Equations with Conservation Laws

at Resarch Institute of Mathematical Science

Mishio Kawashita (Hiroshima University)

Keiichi kato (Tokyo University of Science)

Date and Time : Wednesday, June 3, 2015; 14:00– Friday, June 5, 2015; 14:40

Place   : Kyoudai-SuriKaisekiKenkyujo Room 420, Kitashirakawa-Oiwake-cho, Sakyo-ku, Kyoto 606-8502,

Schedule

June 3, Wednesday

14:00–15:00 **Joe Kamimoto (Kyushu University)**
Asymptotic analysis of oscillatory integrals and local zeta functions

15:15–15:45 **Tomonari Watanabe (Hiroshima University)**
Strichartz type estimates for the damped wave equation and their applications

16:00–17:00 **Yutaka Kamimura (Tokyo University of Marine Science and Technology)**
An inverse blow-up problem

June 4, Thursday

10:00–11:00 **Chengbo Wang (Zhejiang University)**
The Strauss conjecture on Kerr black hole backgrounds

11:10–12:10 **Yuichi Shiozawa (Okayama University)**
Quantification of global properties of symmetric Markov semigroups

Lunch

13:30–14:30 Norihisa Ikoma(Kanazawa University)
> Embedded Willmore type tori in Riemannian 3-manifolds with small area

14:50–15:50 Ken-Ichi Aoki (Kanazawa University)
> Weak solution of the renormalization group equation giving physically correct vacuum for theories with dynamical chiral symmetry breaking

16:00–17:00 Eiji Yanagida (Tokyo Institute of Technology)
> Behavior of localized solutions of the Fujita equation in the intermediate range

June 5, Friday

10:00–11:00 Hideshi Yamane (Kwansei Gakuin University)
> Asymptotic analysis based on the inverse scattering method

11:10–12:10 Yoshihito Kohsaka(Kobe University)
> On the criteria for the stability of unduloids

Lunch

13:30–14:00 Noboru Chikami(Tohoku University)
> On the well-posedness of the full compressible Navier-Stokes system in critical Besov spaces

14:10–14:40 Yuusuke Sugiyama(Tokyo University of Science)
> Large time behavior of solutions to 1D quasilinear wave equations

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(As of April 23, 2015)