

RIMS Workshop

Regularity, singularity and long time behavior for partial differential equations with conservation law

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Date and time : Monday, June 6, 2016; 13:10– Wednesday, June 8, 2016; 12:00

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

Program

June 6, Monday

13:10–14:00 : Ting Zhang (ZheJiang University)

Some wellposedness results for the viscous MHD system

14:10–15:00 : Yoshiyuki Kagei(Kyushu University)

On the artificial compressible system

15:10–15:40 : Taisuke Yoneyama(Tokyo University of Science)

Characterization of ranges of wave operators for Schrödinger equation via wave packet transform

16:00–16:50 : Shu Nakamura(University of Tokyo)

Microlocal scattering theory for discrete Schrödinger operators and related topics

June 7, Tuesday

10:00–10:50 : Mikko Parviainen(University of Jyvaskyla)

Regularity for nonlinear stochastic games and normalized p-Laplacian

11:00–11:50 : Seiichiro Kusuoka(Okayama University)

A stochastic approach to the Hölder and Lipschitz continuity of the solutions to nondivergence form parabolic equations

(Lunch)

13:20–14:10 : Keisuke Takasao(University of Tokyo)

Global existence and monotonicity formula for volume preserving mean curvature flow

14:20–15:10 : Naoyuki Koike(Tokyo University of Science)

Volume - preserving mean curvature flow for tubes in rank one symmetric spaces of non-compact type

15:20–15:50 : Yuki Kimura(Tohoku University)

Asymptotic expansion on the solution to thermo-elastic equations and relation with damped wave equations via energy density

16:00–16:50 : Shigeru Sakaguchi(Tohoku University)

Two-phase heat conductors with a stationary isothermic surface

(Banquet)

June 8, Wednesday

10:10–11:00 : Takeshi Wada(Shimane University)

Modified Strichartz estimates with applications to local well-posedness for nonlinear Schrödinger equations

11:10–12:00 : Jun-ichi Segata(Tohoku University)

Refinement of Strichartz estimates for Airy equation and application

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