



Workshop on Variational Methods and Dispersive Equations (RIMS)

RIMS Research Project

organizers: Futoshi Takahashi (Osaka Metropolitan University)
Kenji Nakanishi (RIMS)

Date : 2023, February, 6, 13:25 – February, 8, 12:10

Venue : Research Institute for Mathematical Sciences (RIMS) Room 420
Kyoto University
Kitashirakawaoiwake-cho, Sakyo-ku, Kyoto-shi

6, February

13:25~13:30 Opening

13:30~14:30 Tetsu Mizumachi (Hiroshima Univ.)

Linear stability of elastic 2-line solitons for the KP-II equation

14:40~15:40 Masaru Hamano (Waseda Univ.)

Time behavior of solutions to energy critical nonlinear Schrödinger equation with an inverse square potential

15:50~16:50 Jun-ichi Segata (Kyushyu Univ.)

Asymptotic behavior in time of solution to system of cubic nonlinear Schrödinger equations in one space dimension

7, February

10:00~11:00 Ken Abe (Osaka Metropolitan Univ.)

Stability of Chandrasekhar's nonlinear force-free fields

11:10~12:10 Koichi Komada (Chukyo Univ.)

Global well-posedness and scattering for the quantum modified nonlinear Schrödinger equation in 10 dimensions

13:30~14:30 Slim Ibrahim (University of Victoria)
Cubic Schrödinger half-wave equation

14:40~15:40 Yohei Yamazaki (Kyushu Univ.)
Center stable manifold for ground states of nonlinear Schrödinger equations with
internal modes

15:50~16:50 Hiroyuki Hirayama (Miyazaki Univ.)
Existence and stability of the ground state of the system of nonlinear Schrödinger
equations with derivative nonlinearity

8, February

10:00~11:00 Mitsuru Shibayama (Kyoto Univ.)
Periodic and heteroclinic solutions in the restricted three-body problem

11:10~12:10 Masaya Maeda (Chiba Univ.)
Small energy stabilization for 1D nonlinear Klein Gordon equations