



Workshop on Non-compact Variational Problems and Related Topics (at RIMS)

RIMS Research Project

organizers: Futoshi Takahashi (Osaka Metropolitan University)
Michinori Ishiwata (Osaka University)

Date : 2022, September, 26, 13:25 – September, 28, 12:10

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

26, September

13:25~13:30 Opening

13:30~14:30 Bernhard Ruf (Università di Milano)
On an inequality of Bliss–Moser type

14:40~15:40 Hiroaki Kikuchi (Tsuda College)
Uniqueness of ground states for double power nonlinear Schrödinger equations

15:50~16:50 Asuka Takatsu (Tokyo Metropolitan University)
Hierarchy of entropies associated with deformed logarithmic functions

27, September

10:00~11:00 Luca Martinazzi (Università di Roma “La Sapienza”)
Critical points of the Moser-Trudinger functional on closed surfaces

11:10~12:10 Yohei Tsutsui (Kyoto University)
Rearrangements, medians and their maximal functions

13:30~14:30 Masato Hashizume (Hiroshima University)

A power type approximation of Moser–Trudinger inequality

14:40~15:40 Norihisa Ikoma (Keio University)

The existence and nonexistence of weak solutions to the Born-Infeld equation

15:50~16:50 Michiaki Onodera (Tokyo Institute of Technology)

Quantitative stability in overdetermined problems

28, September

10:00~11:00 Tadayuki Miura (Tokyo Institute of Technology)

Li–Yau type inequality for curves and applications

11:10~12:10 Yoshitsugu Kabeya (Osaka Metropolitan University)

Longitudinal bifurcating solutions to a nonlinear elliptic equation on a large spherical cap