

Mini Workshop on Variational Problems

表記研究会を以下のように開催いたします。なおこの研究会は NSFC-JSPS 二国間交流事業共同研究 (中国側代表者: Z.-Q. Wang, 日本側代表者: 田中和永) および早稲田大学理工学術院総合研究所 重点研究領域 数理科学研究所による援助を受けています。

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日時: 2018 年 8 月 28 日 (火) ~ 8 月 29 日 (水)

場所: 早稲田大学理工学部 60 号館 3 階 301 室

プログラム

August 28 (Tue)

13:00–13:50 Ryuji Kajikiya (Saga University)

Group invariant positive solutions of a semilinear elliptic equation

14:00–14:50 Chengxiang Zhang (Academy of Mathematics and Systems Science)

Convergence From Power-Law to Logarithm-Law in Nonlinear Scalar Field Equations

15:00–15:30 tea break

15:30–16:20 Masataka Shibata (Tokyo Institute of Technology)

Asymptotic property of ground states for a class of quasilinear Schrödinger equation with H^1 -critical growth

16:30–17:30 discussion

August 29 (Wed)

10:00–10:50 Xiaoming Wang (Shangrao Normal University)

Existence and concentration of ground states for saturable nonlinear Schrödinger equations with intensity functions in \mathbf{R}^2

11:00–11:50 Norihisa Ikoma (Keio University)

Existence of infinitely many solutions to equations with fractional Laplacian in the zero mass case

12:00–13:00 lunch

13:00–13:50 Xiaojun Chang (Northeast Normal University)

Sign-changing solutions of some nonlocal problems involving the fractional p -Laplacian

14:00–15:00 discussion