International Workshop on Stationary Problems in Nonlinear Partial Differential Equations

January 24–25, 2013

Saga University, Saga, Japan

Faculty of Science and Engineering Building 6, Room 205

January 24 (Thursday)

10:00–11:00 Yong-Hoon Lee (Pusan National University, Korea)

A solution operator of one-dim p-Laplacian for sign-changing weight functions

11:10–12:10 Mieko Tanaka (Tokyo University of Science, Japan)

Existence results for quasilinear elliptic equations with indefinite weight under the Neumann boundary condition

Lunch

13:30–14:30 Yoshitsugu Kabeya (Osaka Prefecture University, Japan)

Bifurcations of a nonlinear elliptic problem on a spherical cap

14:40–15:40 Inbo Sim (University of Ulsan, Korea)

On some properties of solutions for degenerate elliptic equations with variable exponents

15:50–16:50 Tetsutaro Shibata (Hiroshima University, Japan)

Global behavior of bifurcation curves for a class of boundary value problems

Banquet

January 25 (Friday)

10:00–11:00   SooHyun Bae (Hanbat University, Korea)

Asymptotic behavior of entire solutions of elliptic equations with exponential nonlinearity

11:10–12:10   Naoki Shioji (Yokohama National University, Japan)

Some results on the positive solutions of the Hénon equation

Lunch

13:30–14:30   Takayuki Kobayashi (Saga University, Japan)

Decay estimates of solutions to the 2D exterior problems for the semilinear heat and dissipative wave equations

14:40–15:40   Eun Kyoung Lee (Pusan National University, Korea)

Three solutions theorem for p-Laplacian problem with singular weight function

15:50–16:50   Satoshi Tanaka (Okayama University of Science, Japan)

Morse indices of positive solutions for the one-dimensional Hénon equation and its application to the number of positive solutions

Organizing committee: Ryuji Kajikiya (Saga University)
Yuki Naito (Ehime University)

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