

The 2nd Nagoya Workshop on Differential Equations

— In Honor of the Retirement of Professor Masatake Miyake —

Date : March 15 – 17, 2010

Place : Rm. 509, Bldg. Sci. 1, Nagoya University

Program

March 15 (Mon.)

13:30 – 14:20

Dohan Kim (Seoul National University, Korea)

Matsuzawa's heat kernel method for functional equations

14:30 – 15:20

Soon-Yeong Chung (Sogang University, Korea)

Identification of a combination of monopolar and dipolar sources
in the inverse source problem in EEG

15:40 – 16:30

Kazuhiro Ishige (Tohoku University)

Blow-up for a semilinear parabolic equation with large diffusion on \mathbf{R}^N

16:40 – 17:30

Yoshio Yamada (Waseda University)

Mathematical analysis of SKT model in population biology

March 16 (Tue.)

10:00 – 10:50

Seiichiro Wakabayashi (University of Tsukuba)

On the Cauchy problem for second-order hyperbolic operators with the coefficients
of their principal parts depending only on the time variable

11:00 – 11:50

Kazuhiro Yamamoto (Nagoya Institute of Technology)

Some regularity theorem for solutions of single second order equations
and its application to solutions of the elastic equation

13:30 – 14:20

Stéphane Malek (Université de Lille I, France)

On Gevrey asymptotics for some nonlinear integro-differential equations

14:30 – 15:20

Sławomir Michalik (Cardinal Stefan Wyszyński University, Poland)

Multisummability of divergent solutions of linear partial differential equations with constant coefficients

15:40 – 16:30

Masafumi Yoshino (Hiroshima University)

Formal power series solutions of differential equations

— Gevrey property and summability —

16:40 – 17:30

Masatake Miyake (Nagoya University)

Maillet type theorem for a general system of partial differential equations in complex domain

18:00 – Banquet

March 17 (Wed.)

10:00 – 10:50

Akira Shirai (Sugiyama Jogakuen University)

Alternative proof for the convergence of formal solutions of singular first order nonlinear partial differential equations

11:00 – 11:50

Masaki Hibino (Okayama University of Science)

Convergence of formal solutions for singular first-order non-linear PDEs

— Proof of Miyake-Shirai's theorem by the fixed point theorem —

13:30 – 14:20

Hidetoshi Tahara (Sophia University)

An analogue of Maillet type theorem in convolution partial differential equations

Organizers & Scientific Committee

Toshiaki Hishida (Nagoya University)

Jun Kato (Nagoya University)

Masatake Miyake (Nagoya University)

Mitsuru Sugimoto (Nagoya University)

Kotaro Tsugawa (Nagoya University)