

# The 22nd Kyushu Symposium of Partial Differential Equations

Organizers: Mitsuhiro Nakao (Kyushu University)  
Shuichi Kawashima (Kyushu University)  
Shin-Ichiro Ei (Kyushu University)  
Yoshiyuki Kagei (Kyushu University)

Date : January 26 – 28, 2005

Venue : Kyushu University (Hokozaki Campus) International Hall

## Program

January 26 (Wednesday)

- 10 : 00 ~ 10 : 50      Kosuke Ono (Tokushima University)  
On  $L^1$  estimates for dissipative wave equations
- 11 : 00 ~ 11 : 50      Koichiro Naito (Kumamoto University)  
Diophantine conditions and recurrent dimensions for quasi-periodic  
solutions of some wave equations with multiple periodic terms
- 14 : 00 ~ 14 : 50      Masaru Yamaguchi (Tokai University)  
Free vibrations of nonlinear hyperbolic PDE
- 15 : 00 ~ 15 : 50      Kenji Nakanishi (Nagoya University)  
Scattering around non-zero constant for the Gross-Pitaevskii equa-  
tion
- 16 : 10 ~ 17 : 00      Tohru Ozawa (Hokkaido University)  
Remarks on proofs of conservation laws for nonlinear Schrödinger  
equations

January 27 (Thursday)

- 10 : 00 ~ 10 : 50      Yoshie Sugiyama (Tsuda College)  
Behaviors of solutions to some quasilinear degenerate parabolic  
systems for chemotaxis-growth models

- 11 : 00 ~ 11 : 50      Mitsuhiro Nakao (Kyushu University)  
Global attractors for nonlinear wave equations with some nonlinear dissipative terms
- 14 : 00 ~ 14 : 50      Yoshihisa Morita (Ryukoku University)  
Bifurcation structure of a Ginzburg-Landau model in a ring
- 15 : 00 ~ 15 : 50      Senjo Shimizu (Shizuoka University)  
On the Stokes equations with Neumann boundary condition and its application to the free boundary value problem for the Navier-Stokes equations
- 16 : 10 ~ 17 : 00      Akitaka Matsumura (Osaka University)  
Asymptotic behavior of solutions for a fluid dynamical model of semiconductor equation

Banquet

January 28 (Friday)

- 10 : 00 ~ 10 : 50      Naoyasu Kita (Miyazaki University)  
Nonlinear Schrödinger equations with triple  $\delta$ -functions as initial data
- 11 : 00 ~ 11 : 50      Shigeru Sakaguchi (Ehime University)  
Stationary isothermic surfaces and uniformly dense domains

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