

THE 21st SAPPORO SYMPOSIUM ON PARTIAL DIFFERENTIAL EQUATIONS

August 5 ~ 7, 1996

Department of Mathematics
Hokkaido University
060 Sapporo, Japan

Chairman Rentaro Azei
(Hokkaido Univ.)

Program

Aug. 5 (Room 4-508)

9:30 ~ 10:30 Laurence Craig Evans (University of California) 1
Differential equations methods for mass transfer

11:00 ~ 12:00 Shuichi Kawashima (Kyushu University)
Rarefaction waves in a radiating gas

1:30 ~ 2:00 (*)

2:00 ~ 2:50 Masato Kimura (Osaka Educational University) 3
Existence of a moving boundary of the Hele-Shaw flow

3:20 ~ 4:10 Tokushi Sato (Tohoku University) 7
Existence of singular ground state with maximal intensity

Aug. 6 (Room 4-508)

9:30 ~ 10:30 Seiro Omata (Kanazawa University) 12
A numerical method based on the discrete Morse semiflow

11:00 ~ 12:00 Naoyuki Ishimura (Hitotsubashi University) 17
Determination of the solutions for the MHD equations by finite elements

1:30 ~ 2:00 (*)

2:00 ~ 2:50 Yuriko Renardy (Virginia Polytech Institute) 20
Mode Interactions in the Two-Layer Benard Problem

3:20 ~ 4:10 Masahito Ohta (University of Tokyo) 24
Blowup of solutions of dissipative nonlinear wave equations

4:30 ~ 5:30 (*)

6:00 ~ 8:00 Banquet

Aug. 7 (Room 4-508)

9:30 ~ 10:30 Michael Renardy (Virginia Polytech Institute) 29
Mathematical Issues in Viscoelastic Flows

11:00 ~ 12:00 Tetu Makino (Yamaguchi University) 30
On Spherically Symmetric Stellar Models in General Relativity

12:00 ~ 12:30 (*)

(*) indicates the discussion time with speakers at Room 4-507