

HYP2004 Program (updated on September 8)

Sunday, September 12

Time	In the lobby
15:00	Registration desk will open
17:30	Welcome Party (All participants are welcome.)

Monday, September 13

Time	ROOM : Orbit Hall					
9:00	Opening					
	ROOM : Orbit Hall Chair : S. Kawashima					
10:00-10:45	Denis Serre Stability of planar waves in systems of conservation laws					[25]
10:50-11:35	K. P. Haderl Reaction transport systems and applications to biology					[10]
	Lunch					
	ROOM : Orbit Hall 1 Chair : S. Ei			ROOM : Orbit Hall 2 Chair : S. Nishibata		
13:30-14:00	Toshitaka Nagai Qualitative properties of solutions to a reaction-diffusion equation with advection modelling chemotaxis			Zhouping Xin Theory of Multi-Dimensional Shock Waves		
	[21]			[33]		
14:05-14:35	Alexander Kurganov High-Resolution Adaptive Central-Upwind Schemes			Tatsuo Iguchi A long wave approximation for capillary-gravity waves and an effect of the bottom		
	[16]			[12]		
	Coffee Break					
	ROOM : Orbit Hall 1	ROOM : Orbit Hall 2	ROOM A : Mizudori	ROOM B : Kouki	ROOM C : Ryokuju	ROOM D : Fuga
	High Resolution Methods I Chair : S. Noelle	Kinetic Approach, Shock capturing Chair : G. Kreiss	Biomathematics I Chair : T. Nagai	Fluid dynamics I Chair : T.-P. Liu	Viscous conservation laws Chair : S. Jiang	Field equations Chair : N. Hayashi
15:00-15:25	Sakai	Babovsky	Sakaguchi	Ambrose	Humpherys	Babin
15:30-15:55	Torrilhon	Kunik	Saito	Jiu	Yamamoto	Stavrakakis
16:00-16:25	Schroll	Qamar	Nakaoka	Enomoto	Nakamura	Kobayashi
16:30-16:55	Yee	Xiaolin Li	Kon	Ogawa	Huang	Texier
17:00-17:25	Gu		Tero	Kubo	Nishikawa	Toscani

** : the page number on the abstract booklet.

Tuesday, September 14

Time	ROOM : Orbit Hall Chair : R. Jeltsch					
9:00-9:45	Jian-Guo Liu [18] Designing Stable and Efficient Numerical Methods for Fluid Dynamics Equations by Operator Decomposition					
	ROOM : Orbit Hall 1 Chair : K. P. Haderl			ROOM : Orbit Hall 2 Chair : B. Temple		
10:10-10:40	Shin-Ichiro Ei [8] Dynamics of Turing patterns for reaction-diffusion systems in a cylindrical domain in 2D			Robin Young [34] Isentropic Gas Dynamics with Arbitrary BV Data		
10:45-11:15	Christian Schmeiser [24] Kinetic and Macroscopic Models of Cell Aggregation by Chemotaxis			Kevin Zumbrun [36] Stability of undercompressive shock profiles		
11:20-11:50	Michael Fey [9] Finite Volume Methods for Hyperbolic Conservation Laws with Constrains			Dan Marchesin [20] Topological construction of nonclassical Riemann solutions		
	Lunch					
	ROOM : Orbit Hall 1	ROOM : Orbit Hall 2	ROOM A : Mizudori	ROOM B : Kouki	ROOM C : Ryokuju	ROOM D : Fuga
	Numerical Schemes I Chair : K. Sakai	Numerical Methods for Fluid Phenomena I Chair : N. Pogorelov	Biomathematics II Chair : C. Schmeiser	Fluid dynamics II Chair : K. Zumbrun	Shock Waves I Chair : P. G. Lefloch	Physical Models I Chair : L. Hsiao
13:30-13:55	Karabasov	Andreae	Sato	Kagei	Müller	Benzoni-Gavage
14:00-14:25	Váchal	Kuchařík	Kang	Tong Li	Brini	El
14:30-14:55	Aiso	Pelanti	Fucaí Li	Takahashi	Mailybaev	Jia
15:00-15:25	Abouziarov	Lukáčová-Medvidová	Inaba	Sakurai	Yachun Li	Hailiang Li
	Coffee Break					
	Numerics on Shock Wave Chair : H. Aiso	Numerical Methods for Fluid Phenomena II Chair : J. G. Liu	Galerkin, Spectral Methods Chair : P. Arminjon	Elastic equations Chair : D. Marchesin	Shock Waves II Chair : S. Bianchini	Physical Models II Chair : A. Jüngel
16:00-16:25	Siklosi	Appelö	Tanner	Kawashita	Zheng	Wang
16:30-16:55	Efrainsson	Romenski	Feistauer	Itou	Shimoji	Yong Li
17:00-17:25	Elling	Deiterding	Gottschlich-Müller	Zakiryanova	Grinfeld	Li Chen

Wednesday, September 15

Time	ROOM : Orbit Hall Chair : T.-P. Liu	
9:00-9:45	Blake Temple A Shock Wave Refinement of the Standard Model of Cosmology	[27]
9:50-10:35	Pierangelo Marcati Diffusive Singular Limits and 3-D Incompressible Navier–Stokes Equation	[19]
	ROOM : Orbit Hall 1 Chair : C. Schmeiser	ROOM : Orbit Hall 2 Chair : M. Fey
10:55-11:25	Ansgar Jüngel Quantum Hydrodynamic Equations for Semiconductors	[14] [11]
11:30-12:00	Gui-Qiang Chen Some Problems in the Theory of Multidimensional Hyperbolic Conservation Laws	[6] [23]
	Lunch	
13:30-18:00	Excursion (Tour buses leave in front of the venue.)	
	ROOM : Seiu	
18:30-19:00	Special Talk (Chair : A. Matsumura) C. Dafermos	
19:00	Banquet	

Thursday, September 16

Time	ROOM : Orbit Hall Chair : Z. Xin				
9:00-9:45	Song Jiang [13] Global existence for the Navier-Stokes equations of multidimensional compressible fluids with large data				
9:50-10:35	Philippe G. Lefloch [17] Existence, uniqueness, and L^1 continuous dependence of entropy solutions to hyperbolic systems				
	ROOM : Orbit Hall 1 Chair : S. Ukai		ROOM : Orbit Hall 2 Chair : A. Kurganov		
11:00-11:30	Shih-Hsien Yu [35] On positivity of Boltzmann shock Layer		Sebastian Noelle [22] Well-balanced schemes of arbitrary order of accuracy for geophysical flows		
11:35-12:05	Weike Wang [31] The pointwise estimates of solutions for general Navier-Stokes systems of conservation laws		Eitan Tadmor [26] Twelve Examples of Entropy Stability Theory for Difference Approximations of Quasilinear Problems		
	Lunch				
	ROOM : Orbit Hall 1	ROOM : Orbit Hall 2	ROOM A : Mizudori	ROOM B : Kouki	ROOM C : Ryokuju
	Centered, Staggered Schemes I Chair : E. Tadmor	Numerical Methods and Modellings I Chair : C. Rohde	Conservation laws I Chair : A. Bressan	Astrophysics I Chair : T. Makino	Relaxation Model Chair : G.-Q. Chen
14:00-14:25	Popov	Dickopp	Warnecke	Klingenberg	Lien
14:30-14:55	Levy	Soulard	Yamazaki	Yoneda	Mei
15:00-15:25	Arminjon	Bao	Prasad	Narita	Ruggeri
	Coffee Break				
	Centered, Staggered Schemes II Chair : A. Kurganov	Numerical Methods and Modellings II Chair : Y. Takakura	Conservation laws II Chair : G. Warnecke	Astrophysics II Chair : T. Iguchi	Physical Models III Chair : P. Marcati
16:00-16:25	Rosenbaum	Katsaounis	Pogorelov	Scott	Alexeyeva
16:30-16:55	Rossmannith	Gustavsson	Takagi	Härterich	Miljanovic
17:00-17:25		Vignal	Lyng		Serna

Friday, September 17

Time	ROOM : Orbit Hall 1 Chair : J. G. Liu			ROOM : Orbit Hall 2 Chair : C. Dafermos	
9:00-9:30	Gunilla Kreiss Stability of strong shocks			Camillo De Lellis The chain rule for the divergence of vector fields and applications	
9:35-10:05	Tetu Makino Periodic solutions to the 1-dimensional compressible Euler equation with gravity			Alberto Bressan Hyperbolic Systems of Hamilton-Jacobi Equations	
	ROOM : Orbit Hall 1	ROOM : Orbit Hall 2	ROOM A : Mizudori	ROOM B : Kouki	ROOM C : Ryokuju
	High Resolution Methods II Chair : T. Hou	Numerical Schemes II Chair : H. Aiso	Conservation laws III Chair : F. Asakura	Hyperbolic equations Chair : G. Kreiss	Kinetic equations Chair : K. Nishihara
10:30-10:55	Simeoni	Russo	Fujino	Nakane	Jabin
11:00-11:25	Jabir	Bedrikovetsky	Ancona	Robles-Pérez	Zhao
11:30-11:55	Chertock	Conforto	Ostrov	Tsuge	Yamaguchi
	Lunch				
	High Resolution Methods III Chair : B. Sjogreen	Applications to Fluid Mechanics Chair : J. Ballmann	Conservation laws IV Chair : R. Young	Navier-Stokes equations Chair : W. Wang	
14:00-14:25	Helzel	Diehl	Puppo	Suzuki	
14:30-14:55	Titarev	Bryson	Thanh	Miura	
15:00-15:25	Takakura	Klöfkor			
	ROOM : Orbit Hall Chair : D. Serre				
15:50-16:35	Stefano Bianchini BV solutions for the Jin-Xin model				
16:40-17:25	Cédric Villani Recent trends in the study of convergence to equilibrium				

Monday, September 13

	ROOM : Orbit Hall 1	ROOM : Orbit Hall 2	ROOM A : Mizudori
	High Resolution Methods I Chair : S. Noelle	Kinetic Approach, Shock capturing Chair : G. Kreiss	Biomathematics I Chair : T. Nagai
15:00-15:25	Katsuhiro Sakai [175] A Numerical Scheme Based on Analytical Solutions for Lin- ear and Nonlinear Advection- Diffusion Equations	Hans Babovsky [56] A kinetic approach to the res- olution of flow patterns	Hideo Sakaguchi [174] A Numerical Method for Tracking the Level Set by Infinite Precision Numerical Simulation
15:30-15:55	M. Torrilhon [197] Pseudo-Convergence of MHD Finite Volume Schemes : Phe- nomenon and Solution Ap- proaches	Matthias Kunik [125] Analysis of a gas kinetic method for the relativistic Eu- ler equations	Yasuhisa Saito [173] A delay model for prey couter- attack
16:00-16:25	Achim Schroll [50] Logarithmic Reconstruction Methods for Conservation Laws	Shamsul Qamar [165] Kinetic Schemes for the Rel- ativistic Euler Equations and Hyperbolic Heat Conduction in Solids	Shinji Nakaoka [149] Qualitative properties for two connected chemostats model
16:30-16:55	H. C. Yee [211] Adaptive Numerical Dissipa- tion Control in High Order Methods for 3-D Ideal and Non-ideal MHD	Xiaolin Li [133] Enhancement of the Front Tracking Method for Compu- tation of Hyperbolic Conserva- tion Laws	Ryusuke Kon [121] Convex dominates concave: an exclusion principle in discrete- time Kolmogorov systems
17:00-17:25	Hongren Gu [93] On Numerical Solution of Hy- perbolic Proppant Transport Problem		Atsushi Tero [193] Modeling and simulations of the dynamics of true slime mold

	ROOM B : Kouki	ROOM C : Ryokuju	ROOM D : Fuga
	Fluid dynamics I Chair : T.-P. Liu	Viscous conservation laws Chair : S. Jiang	Field equations Chair : N. Hayashi
15:00-15:25	David Ambrose [44] Well-posedness of free-surface problems in 2D fluids	Jeffrey Humpherys [101] On the Stability of Viscous-Dispersive Fronts	A. V. Babin [55] Nonlinear Schrodinger equations for nonlinear Maxwell equations in periodic media
15:30-15:55	Quansen Jiu [107] On Strong Convergence in Vortex Sheets Problem for 3-D Axisymmetric Euler Equations	Yoshitaka Yamamoto [208] The Jeans instability for a one-dimensional model system of compressible viscous fluids	Nikos M. Stavrakakis [186] Existence and Energy Decay for a Dissipative Klein-Gordon-Schrodinger Type System
16:00-16:25	Yuko Enomoto [80] On a stability theorem of the Navier-Stokes equation in an exterior domain	Tohru Nakamura [146] Asymptotic behavior of spherically symmetric flow for heat-conductive fluid in a field of external forces	Takayuki Kobayashi [120] Interface Vanishing for Solutions to Maxwell and Stokes Systems
16:30-16:55	Masao Ogawa [155] Vortical flows of an incompressible ideal fluid with free boundary	Feimin Huang [100] Nonlinear stability of contact discontinuity for compressible Navier-Stokes equations	Benjamin Texier [194] Derivation of the Zakharov equations
17:00-17:25	Takayuki Kubo [123] On the Stokes and Navier-Stokes equations in a perturbed half-space	Masataka Nishikawa [152] Asymptotic stability of stationary waves for multidimensional viscous conservation laws in half space	G. Toscani [198] Hydrodynamic equations of weakly inelastic granular gases

Tuesday, September 14

	ROOM : Orbit Hall 1	ROOM : Orbit Hall 2	ROOM A : Mizudori
	Numerical Schemes I Chair : K. Sakai	Numerical Methods for Fluid Phenomena I Chair : N. Pogorelov	Biomathematics II Chair : C. Schmeiser
13:30-13:55	S. A. Karabasov [114] Digital Transport Approach for Hyperbolic-type Problems	Sigrid Andrae [46] Wave interactions in Immiscible Two Fluid Flows	Kazunori Sato [177] Distributions of power-law behavior on the population with finite size
14:00-14:25	Pavel Váchal [200] Numerical Methods for Euler Equations Using Fully Two-dimensional HLLEC Riemann Solver	Milan Kuchařík [124] Conservative Remapping and ALE Methods for plasma Physics	Kyungkeun Kang [113] Global existence of classical solutions for a hyperbolic chemotaxis model and its parabolic limit
14:30-14:55	Hideaki Aiso [40] Instability Analysis in Conservative Difference Approximations for Compressible Euler Equations.	Marica Pelanti [159] Numerical simulation of volcanic jets and plumes	Fucaí Li [129] Study on some nonlocal parabolic equations and systems arising in Applied Sciences
15:00-15:25	Moustafa Abouziarov [38] An Application of Retroactive Characteristic Method to Conservative Scheme for Structure Problems (Elastic-Plastic Flows)	Mária Lukáčová-Medviďová [137] Numerical modelling of shallow flows including bottom topography and magnetodynamic effects	Hisashi Inaba [102] Threshold and stability results for an age-duration-structured population model for HIV/AIDS epidemic
	Numerics on Shock Wave Chair : H. Aiso	Numerical Methods for Fluid Phenomena II Chair : J. G. Liu	Galerkin, Spectral Methods Chair : P. Arminjon
16:00-16:25	Malin Siklosi [182] Numerical Study of Trajectories in Phase Space for Discrete Shock Profiles	D. Appelö [48] Energy Estimates for Perfectly Matched Layers for the Linearized Euler Equations	Jared Tanner [192] Postprocessing Methods for Spectral Viscosity Solutions
16:30-16:55	Gunilla Efrainsson [77] A Numerical Study of the Introduction and Propagation of a 2-D Vortex	E. Romenski [167] Conservative Hyperbolic Model for Two-Phase Flow and One-Dimensional Waves	Miloslav Feistauer [82] On a Semi-Implicit Discontinuous Galerkin FEM for the Non-stationary Compressible Euler Equations
17:00-17:25	Volker Elling [79] Nonuniqueness of entropy solutions and the carbuncle phenomenon	Ralf Deiterding [73] High-resolution simulation of realistic detonation structures	Birgit Gottschlich-Müller Adaptive Discontinuous Galerkin Methods based on Biorthogonal Multiwavelets for Conservation Laws [90]

	ROOM B : Kouki	ROOM C : Ryokuju	ROOM D : Fuga
	Fluid dynamics II Chair : K. Zumbrun	Shock Waves I Chair : P. G. Lefloch	Physical Models I Chair : L. Hsiao
13:30-13:55	Yoshiyuki Kagei [112] Asymptotic behavior of solutions to the compressible Navier-Stokes equations on the half space	Siegfried Müller [141] Riemann Problem for the Euler Equations with Non-Convex Equation of State including Phase Transition	Sylvie Benzoni-Gavage [61] Structure and well-posedness of Korteweg models for fluids exhibiting phase changes
14:00-14:25	Tong Li [132] Stability of detonation waves in two-step chain-branching reaction models	Francesca Brini [62] On the Riemann Problem in Extended Thermodynamics	Gennady El [78] Unsteady dispersive shock transition in non-integrable systems
14:30-14:55	Shuji Takahashi [190] Existence Theorem for the Point Source Blast Wave Equation	Alexei A. Mailybaev [143] Dual-family viscous shock waves in n conservation laws	Yueling Jia [106] Large Time Behavior of Solutions of Quantum Hydrodynamic Model
15:00-15:25	A. Sakurai [176] A weak solution of point source blast wave problem	Yachun Li [134] Global Entropy Solutions to the Relativistic Euler Equations	Hailiang Li [131] On Multi-dimensional Quantum Hydrodynamics : Modelling, Well-posedness and Asymptotics
	Elastic equations Chair : D. Marchesin	Shock Waves II Chair : S. Bianchini	Physical Models II Chair : A. Jüngel
16:00-16:25	Mishio Kawashita [117] Scattering Theory for the Elastic Wave Equations in Perturbed Half-spaces	Yuxi Zheng [216] A global solution to a two-dimensional Riemann problem involving shocks as free boundaries	Shu Wang [205] Quasineutral Limit of Euler-Poisson System with and without Viscosity
16:30-16:55	Hikomichi Itou [103] Existence of a weak solution in an infinite viscoelastic strip with a semi-infinite crack	Sadao Shimoji [181] Dynamics of a Purely Non-linear One-Dimensional Elastic Body	Yong Li [135] Study on the Multi-dimensional Nonisentropic Euler-Poisson Equations
17:00-17:25	G. K. Zakiryanova [214] Generalized solutions of boundary value problems for second order hyperbolic systems	Michael A. Grinfeld [92] PDE of Failure Wave Propagation Based on the Model of Two-State Substance	Li Chen [64] Analysis and Numerical Simulation of the Generalized Drift Diffusion Model in Semiconductor Science

Thursday, September 16

	ROOM : Orbit Hall 1	ROOM : Orbit Hall 2	ROOM A : Mizudori
	Centered, Staggered Schemes I Chair : E. Tadmor	Numerical Methods and Modellings I Chair : C. Rohde	Conservation laws I Chair : A. Bressan
14:00-14:25	Bojan Popov [161] Numerical stability, convergence and error estimates for non-oscillatory schemes	Christian Dickopp [75] A Homogeneous Model for Two-Phase Flow Through Injection Nozzles	Gerald Warnecke [206] On the Solution to the Riemann Problem for a Class of Non-conservative Systems
14:30-14:55	Doron Levy [128] High-Order Godunov-type Schemes for Hamilton-Jacobi Equations	O. Soulard [185] Hyperbolic Stochastic Partial Differential Equations as a tool for solving the Fokker-Planck PDF transport equation of turbulent reactive scalars	Mitsuru Yamazaki [209] Viscous shock profile for 2×2 systems of hyperbolic conservation laws with an umbilic point
15:00-15:25	P. Arminjon [49] Central Finite Volume Methods with Constrained Transport Divergence Treatment for Ideal MHD	Weizhu Bao [57] Numerical Simulation for Bose-Einstein Condensation	Phoolan Prasad [162] Kinematical Conservation Laws, Ray Theories and Applications
	Centered, Staggered Schemes II Chair : A. Kurganov	Numerical Methods and Modellings II Chair : Y. Takakura	Conservation laws II Chair : G. Warnecke
16:00-16:25	Wolfram Rosenbaum [168] Adaptive staggered grids in 3D	Th. Katsaounis [116] Adaptive Finite Element Methods for computing Shear Band formations	N. V. Pogorelov [160] Nonevolutionary MHD Shocks : A Critical Survey
16:30-16:55	James A. Rossmanith [169] A wave propagation method for relativistic hydrodynamics	Katarina Gustavsson [94] Study of a Hyperbolic Model Problem	Satoru Takagi [189] On the Existence of Renormalized Dissipative Solutions via Relaxation for Conservation Laws
17:00-17:25		M. H. Vignal [203] Modelization and numerical simulations of plasma expansion in vacuum	G. Lyng [140] Low-Frequency Stability of Multidimensional Viscous and Inviscid Planar Detonation Waves

	ROOM B : Kouki	ROOM C : Ryokuju
	Astrophysics I Chair : T. Makino	Relaxation Model Chair : G.-Q. Chen
14:00-14:25	Christian Klingenberg 119 Mathematical modelling and numerical simulations for astrophysical accretion discs	Wen-Ching Lien 136 Time-Asymptotic Interactions of Boltzmann Shock Layers in the Presence of Boundary
14:30-14:55	Gen Yoneda 212 Formulation problem of the Einstein equation for numerical simulations	Ming Mei 144 Phase Transitions in a Relaxation Model of Mixed Type with Periodic Boundary Condition
15:00-15:25	Makoto Narita 150 On a wave map in string theory	Tommaso Ruggeri 170 Entropy Principle and Global Existence of Smooth Solutions in Extended Thermodynamics
	Astrophysics II Chair : T. Iguchi	Physical Models III Chair : P. Marcati
16:00-16:25	Michael B. Scott 178 Lightlike Shock Waves in General Relativity	L. A. Alexeyeva 42 Time-Dependent Boundary Value Problems for Maxwell Equations and their Generalized Solutions
16:30-16:55	Jörg Härterich 96 Asymptotic Behavior of Spatially Inhomogeneous Balance Laws	Vera Miljanovic 202 Convergence to Equilibrium for the Linearized Cometary Flow Equation
17:00-17:25		Susana Serna 179 Clustering induced by blast waves in inelastic granular gases

Friday, September 17

	ROOM : Orbit Hall 1	ROOM : Orbit Hall 2	ROOM A : Mizudori
	High Resolution Methods II Chair : T. Hou	Numerical Schemes II Chair : H. Aiso	Conservation laws III Chair : F. Asakura
10:30-10:55	Chiara Simeoni 183 Relaxation methods and finite element schemes for the incompressible Navier-Stokes and Euler equations	Giovanni Russo 171 Staggered Central Finite Difference Schemes for Balance Laws	Naoki Fujino 83 Conservation Laws with Vanishing Diffusion and Dispersion
11:00-11:25	Asie Kemal Jabir 105 Higher Order Finite Volume Scheme for Multiphase Multicomponent Flow Through Porous Media	Pavel G. Bedrikovetsky 58 Splitting of Hyperbolic Systems for Two-Phase Flow in Porous Media	Fabio Ancona 45 Vanishing viscosity solutions of hyperbolic systems with possibly characteristic boundary
11:30-11:55	Alina Chertock 65 Finite-Volume-Particle Methods for Modeling the Transport of Pollutant in Shallow Water	Fiammetta Conforto 70 On the Riemann problem in gas mixtures undergoing different bimolecular reactions	Dan Ostrov 156 An Example of Nonuniqueness for the Viscous Limit of a Non-strictly Hyperbolic System of Equations
	High Resolution Methods III Chair : B. Sjogreen	Applications to Fluid Mechanics Chair : J. Ballmann	Conservation laws IV Chair : R. Young
14:00-14:25	Christiane Helzel 97 A high-resolution rotated grid method for conservation laws with embedded geometries	Dennis Diehl 76 Numerical Simulation of Liquid-Vapor Flows with Phase Change	Gabriella Puppo 164 The Entropy Indicator for Semidiscrete Schemes for Conservation Laws
14:30-14:55	V. A. Titarev 196 ADER Schemes for Multidimensional Nonlinear Hyperbolic Conservation Laws	Steve Bryson 63 A Well-Balanced Central-Upwind Scheme for the 2D Shallow Water Equations on Triangular Meshes	Mai Duc Thanh 195 On the Model of a Compressible Flow in a Nozzle : Analysis and Numerical Methods
15:00-15:25	Yoko Takakura 191 Various Forms of ADER schemes for Nonlinear Conservation Laws with Source Terms and Their Verification	Robert Klöforn 118 Modelling and simulation of PEM fuel cells	

	ROOM B : Kouki	ROOM C : Ryokuju
	Hyperbolic equations Chair : G. Kreiss	Kinetic equations Chair : K. Nishihara
10:30-10:55	Kazuaki Nakane 147 The asymptotic behavior of the free boundary governed by a hyperbolic equation	Pierre-Emmanuel Jabin 104 A kinetic approach to the homogenization of transport equations
11:00-11:25	Aurelino M. Robles-Pérez 166 Maximum principles in a certain hyperbolic equation	Huijiang Zhao 215 Some recent results on the Boltzmann equation with external force
11:30-11:55	Naoki Tsuge 199 Spherically symmetric flow of the compressible Euler equations	Norikazu Yamaguchi 207 On the existence of global strong solution to the micropolar fluid system in three dimensional bounded and exterior domains
	Navier-Stokes equations Chair : W. Wang	
14:00-14:25	Tomoyuki Suzuki 188 Interior regularity criterion via pressure on weak solutions to the Navier-Stokes equations	
14:30-14:55	Hideyuki Miura 145 On the regularizing rate estimates of Koch-Tataru's solution to the Navier-Stokes equations	
15:00-15:25		