

The 21ST ANNUAL WORKSHOP ON DIFFERENTIAL EQUATIONS

18-19 January, 2013

2013/1/18
Friday

9:30-10:00	報到時間
10:00-10:10	開幕致詞
Chair	劉太平(中研院 數學研究所)
10:10-11:00	吳嘉宏(美國奧克拉荷馬大學) Recent developments on the surface quasi-geostrophic and related equations
11:00-11:30	Tea time
Chair	陳俊全(台灣大學 數學系)
11:30-12:00	Xiang Fang(USA) How to analyze boundary singularity in some elliptic equations of Hardy-Sobolev type?
12:00-12:30	陳子軒(交通大學 應用數學系) Non-uniqueness of finite energy solutions to the Navier-Stokes equation on a hyperbolic manifold.
12:30-13:50	Lunch
Chair	鄭國順(中正大學 數學系)
13:50-14:40	Shoji Yotsutani(Japan) Existence and Stability of Stationary Solutions to Lotka-Volterra Competition with Cross-Diffusion
Chair	王信華(清華大學 數學系)
14:40-15:10	班榮超(東華大學 應用數學系) On the Structure of Multi-Layers Cellular Neural Networks :the Complexity Between Two Layers
15:10-15:40	Tea time
Chair	王懷權(清華大學 數學系)
15:40-16:30	鄭經數(中央大學 數學系) The stability of the Hele-Shaw flow with and without surface tension and injection
Chair	許世壁(清華大學 數學系)
16:30-17:20	Chun Liu(Penn State University) Generalized Diffusion with Applications in Transport of Charged Particles
17:20~	Dinner

2013/1/19
Saturday

Chair	Tong Yang(City University of Hong Kong)
9:10-10:00	劉太平(中研院 數學研究所) Boundary Relations for Hyperbolic-Dissipative Systems
Chair	劉太平(中研院 數學研究所)
10:00-10:30	江金城(清華大學 數學系) BOLTZMANN EQUATION FOR AN INFINITE RANGE POTENTIAL
10:30-11:00	Tea time
11:00-11:30	陳逸昆(交通大學 應用數學系) Singular Behavior of Boltzmann Equation on a Planar Boundary
11:30-12:00	郭鴻文(中央研究院 數學研究所) Equilibrating Effects of Boundary and Collision in Rarefied Gases
12:00-12:30	尹碩培(中央研究院 數學研究所) On the spatially homogeneous Boltzmann equation for relativistic
12:30-13:50	Lunch
Chair	王振男(成功大學 數學系)
13:50-14:40	Tong Yang(City University of Hong Kong) Smoothing effect for the homogeneous Boltzmann Equation
14:40-15:10	劉育佑(成功大學 數學系) Turbulent Flame Speeds in Unsteady Flows
Chair	羅春光(中山大學 應用數學系)
15:10-15:40	黃信元(中山大學 應用數學系) On the Entire Radial Solutions of the Chern-Simons SU(3) System
15:40-16:00	Tea time
16:00-16:30	吳昌鴻(交通大學 應用數學系) On a Free Boundary Problem for a Two-Species Weak Competition System
Chair	石至文(交通大學 應用數學系)
16:30-17:00	朱家杰(清華大學 數學系) Multiscale Methods for High Contrast Elliptic Equations
17:00-17:30	王峰彬(長庚大學) Global Dynamics of Zooplankton and Harmful Algae in Flowing Habitats Where the Algal Toxin Contains Little Limiting Nutrient