



深圳北理莫斯科大學

УНИВЕРСИТЕТ МГУ-ППИ В ШЭНЬЧЖЭНЕ
SHENZHEN MSU-BIT UNIVERSITY

2024 SMIBU Sino- Russian Conference on Applied Mathematics

会议时间:2024 年 6 月 28-30 日

地点: 深圳北理莫斯科大学主楼 336

主办单位:

深圳北理莫斯科大学计算数学与控制系;
莫大-北理-深北莫应用数学联合研究中心

日程安排

2024-06-28

June 28, Afternoon (16:00-18:00), Conference Room 301 of Main building	
15:00 – 18:00	Registration & discussion
18:00 – 19:30	Dinner

2024-06-29

June 29, Moring (9:00-12:10), Conference Room 336 of Main building Chair: A. Ilin		
Time	Speaker	Title
9:00 - 9:20	A. Ilin	Opening remark
9:20 - 9:50	V. Zakharov	Automata with entangled transitions and the paradoxes of quantum physics
9:50 - 10:20	A. Maysuradze	Automation of an Iterative Approach to Retrieve a Collection of Relevant Documents
10:20 - 10:40	Tea and Coffee Break	
10:40 – 11:10	A. Nikitin	On integral equations arising in the model of logistic dynamics
11:10 - 11:40	A.Shcheglov Qing Shen	Итерационный метод решения обратной коэффициентной задачи для нелинейной модели динамики популяции
11:40 – 12:10	V.Ilyutko V.Ternovski D.Kamzolkin	Control the Coefficient of a Pendulum Differential Equation as an Inverse Problem in Time
12:10 – 14:40	Lunch: Canteen 1, Floor 3	
June 29, Afternoon (14:00-18:00), Conference Room 336 of Main building Chair: Ye Zhang		
14:00-14:30	Junxin Guo	Seismic dispersion, attenuation, and frequency-dependent anisotropy in a fluid-saturated porous rock with intersecting fractures

15:00 – 15:30	Zeyu Liao	Convergence analysis of inner-iteration preconditioned GMRES method for least squares problems
15:30 - 16:00	Yongming Lu	An Efficient Method for Calculating Raypaths of First-Arrival Traveltimes in Anisotropic Media
16:00 - 16:20	Tea and Coffee Break	
16:20 - 16:50	Saravanakumar Ramasamy	Memory Sampled-data Control for Fuzzy Chaotic Systems: An Extended Looped Functional Approach
16:50 - 17:20	D.Chaikovskii	Asymptotic expansions method for the singularly perturbed stochastic partial differential equations.
17:20 - 17:50	A. Demin	Problems of foreign language learning and approaches to their solution
18:00 – 19:30	Dinner: Aolin hotel	

2024-06-30

June 30, Moring(9:00-12:15), Conference Room 336 of Main building Chair: Ye Zhang		
Time	Speaker	Title
9:00 - 9:30	Ye Zhang	An accelerated inexact Newton regularization scheme with a learned feature-selection rule for non-linear inverse problems
9:30 - 10:00	A. Ilin	TBA
10:00 - 10:30	I.Shevtsova	TBA
10:30 - 10:45	Tea and Coffee Break	
10:45 – 11:15	A. Sharov	Solution of the inverse problem of quasi-static elastography
11:15 - 11:45	P. Tochilin	On the use of ellipsoidal calculus methods for solving the time-optimal control problem using random trees, under kinodynamic constraints
11:45 - 12:15	O. Cherkasov	Maneuvers for selection a landing site with minimal fuel consumption

12:15 – 14:40	Lunch: in faculty	
June 30, Afternoon (15:00-18:00), Conference Room 336 of Main building Chair: Qing Zhou		
15:00-15:20	You Sun	A concentration preserving discontinuous Galerkin method for nonlinear multi-component chromatography models
15:20 –15:40	Ying-Ao Wang	On a class of linear regression methods
15:40 - 16:00	Tianxiang Tang	On the complexity of analysis and synthesis problems for parameterised automata
16:00 - 16:20	Tea and Coffee Break	
16:20 - 16:40	Qing Zhou	Application of 3D Gaussian Splatting in 3D reconstruction
16:40 - 17:00	Qing Shen	Inverse Coefficient Problem for a Nonlinear Population Development Model with Integral Features
17:00 - 17:20	Jiamian Li	A New Method For Analyzing Context-Free Languages Based On Directed Graphs
17:20 - 17:40	Jingyuan Mu	Construction and recognition of context-free expressions
17:40 – 18:00	Discussion	