

22 December 2011, Thursday
Inaugural Ceremony: 9:30-11:15 am
Venue: Zahir Raihan Auditorium

- 08:30 Registration and Distribution of registration materials
- 09:30 Guests and Participants take seats
- 09:40 Arrival of Chief Guest and Special Guest
- 09:50 Guests of Honor take their seats on the stage
- 09:55 Recitation from the Holy Quran
- 10:00 Welcome Address by the Conference Secretary
Professor Dr. Laek Sazzad Andallah
Chairman, Department of Mathematics JU
- 10:10 Introductions of the Foreign Delegates by
Professor Dr. Md. Shafiqul Islam
Secretary, Bangladesh Mathematical Society
- 10:20 Address by
Professor Dr. Anwarul Haque Sharif
Chairman, Conference Organizing Committee
- 10:30 Address by the Chief Patron
Professor Dr. Shariff Enamul Kabir
Honorable Vice Chancellor, Jahangirnagar University
- 10:40 Address by the Special Guest
Professor Dr. A A M S Arefin Siddique
Honorable Vice Chancellor, University of Dhaka
- 10:50 Address by the Chief Guest
Professor Dr. A K Azad Chowdhury
Honorable Chairman (State Minister)
University Grants Commission of Bangladesh
- 11:05 Address by the Session Chair
Professor Dr. Md. Abdus Sattar
President, Bangladesh Mathematical Society
- 11:15 Refreshment

Keynote Session

11:45 am– 1:00 pm

Venue: Jahir Raihan Auditorium

Chair: Professor Jamal Nazrul Islam, University of Chittagong

Keynote Speech: **Mathematics as a Key to Technologies**

Professor Dr. Hans Babovsky

Ilmenau University of Technology, Germany

----- **Lunch & Prayer Break (1:00 - 2.00 pm)** -----

Session Schedule

Venue: Math-Stat Building

Session 1A: Mathematical Physics

2:00-3:30 pm

Room: Math-Stat Gallery

Chair : Professor Dr. Md. Anwar Hossain, Bangladesh

Co- Chair : Professor Dr. Kh. Mezbahuddin Ahmed, University of Dhaka

Invited Talk:

Analysis of Large Time Behavior of Solutions to Evolutionary PDEs with Time Periodic Coefficients

Professor Saleh Tanveer

Ohio State University, USA

Contributory Talks:

Gauge Theory in Hamiltonian Classical Mechanics

Mohammed Ashraful Islam and Jamal Nazrul Islam, RCMPS, University of Chittagong, Bangladesh

Exact Solutions of Damped Non-Linear Harmonic Equations Using Ermakov Invariant

J N Islam, and Mohammed Ashraful Islam University of Chittagong, Bangladesh

On growing electrostatic modes in the isothermal pair plasma of the pulsar magnetosphere

U. A. Mofiz, BRAC University, Bangladesh

Session 1B: Computational Fluid Dynamics

2:00-3:30 pm

Room: 230

Chair : Professor Dr. Mustafa Kamal Chowdhury, Bangladesh University of Engineering & Technology

Co- Chair : Dr. Md. Abdul Alim, Bangladesh University of Engineering & Technology

Contributory Talks:

Surface-radiation effect on natural convection flow in a fluid-saturated non-Darcy porous medium enclosed by non-isothermal walls

Md Anwar Hossain

Periodic Magneto hydrodynamic Free Convection Flow along a Vertical Surface with Radiation

S Siddiqa, COMSATS Institute of Information Technology, Pakistan

Md. Anwar Hossain, University of Dhaka, Bangladesh

Heat Transfer Analysis of Participating Fluids by Combined Natural Convection and Radiation in an Open Rectangular Cavity

M. Saleem, Md. Anwar Hossain, COMSATS Institute of information Technology, Pakistan

Theoretical analysis of the fluctuating hydromagnetic natural convection flow past a magnetized vertical plate

Muhammad Ashraf, S. Asghar and M. A. Hossain, Comsats Institute of Information Technology Chak Shahzad, Pakistan

A Mathematical Model for the Conservation of Vultures

Alok Kumar, Maharaja College, Ara (VKS University, Ara) Bihar-802301, India

Amit Kumar, RPS College, Chakeyaj, Mahnar,(BRA Bihar University,Muzaffarpur), Bihar, India

Manish Kumar, Kisan College, Biharsharif (Magadh University, Bodhgaya), India

Awdhesh Kumar Mehta, VKS University, ARA

Effects of Induced Magnetic and Radiative Heat Transfer Flow Due To Stretching Sheet with Temperature Component

Ashish Barmon, Md.Sakhawat Hossain and M. Ferdows, University of Dhaka, Bangladesh

K.C Alam, East West University Bangladesh

A Comparative Study of Finite Difference Schemes for Shallow Water Equation

Rokhsan-Ara-Hemel and L S Andallah, Jahangirnagar University, Bangladesh

MHD Forced Convective Flow of Non-Newtonian Power Law Fluid past a Continuously Moving Power Law Stretching Surface in Presence of Radiation and Heat Generation with Uniform Surface Heat Flux

Debasis Kumar, University of Dhaka, Bangladesh

M. A. Samad, University of Dhaka, Bangladesh

Session 1C: Fuzzy Mathematics

2:00-3:30 pm

Room: 232

Chair : Professor Dr. Subrata Majumder, University of Rajshahi.

Co- Chair : Professor Sattrajit Kumar Saha, Jahangirnagar University

Invited Talk:

Fuzzy Parameterized IF Soft Set Theories on Decisions-Making

Professor Anjan Mukerjee

Tripura University, India

Contributory Talks:

Fuzzy Pairwise γ - Regular Space

Anjan Mukherjee, Tripura University, India

Dipankar De, Ramthakur College, Tripura, India

A New IF Relations in Fuzzy Image Processing

Dr. Sharmistha Bhattacharya and Md. Atikul Islam, Tripura University, India

Fuzzy Logic System in Medicine

Utpalendu Dev, Jagannath University, Bangladesh

Abeda sultana, Jahangirnagar University, Bangladesh

Debashish Saha, Armed Forces Medical College, Bangladesh

Nirmal K Mitra, Bangladesh University of Business and Technology

Some Types of Fuzzy Pairwise- T_1 Bitopological Spaces

Md. Sahadat Hossain and Dewan Muslim Ali, Rajshahi University, Bangladesh

Fuzzy Arithmetic without Using the Method of α -Cuts

Md. Mosfiqur Rahman, Abeda Sultana and Md. Ashraful Alam

Department of Mathematics, Jahangirnagar University, Dhaka

Fuzzy Approach to Interest Rate in Mathematics of Actuarial Science and Finance

M. Shahjalal, Jahangirnagar University, Bangladesh

Abeda Sultana, Jahangirnagar University, Bangladesh

Nirmal Kanti Mitra, Bangladesh University of Business and Technology, Bangladesh

A.F.M. Khodadad Khan, Independent University of Bangladesh, Bangladesh

Existence of Solution of Fuzzy Relational Equations Using Minimum(^)

Ashraful Alam and Abeda Sultana, Jahangirnagar University, Bangladesh

Nasim Khan and Nirmal Kanti Mitra, Bangladesh University of Business and Technology, Bangladesh

----- **Tea Break (3:30-3:45 pm)** -----

Session 2A: Computational Fluid Dynamics 3:45-5:15 pm Room: Math-Stat Gallery

Chair : Professor Dr. Abdul Hakim Khan, Bangladesh University of Engineering & Technology

Co- Chair : Professor Dr. Md Sajedul Karim, Shahjalal University of Science and Technology, Bangladesh

Contributory Talks:

Effects of Curvature on Unsteady Solutions through a Curved Duct with Square Cross-Section

Md. Saidul Islam and Rabindra Nath Mondal, Science, Engineering and Technology School, Khulna University, Bangladesh

Sensitivity Analysis of Physiographic Parameters by Kinematic Wave Equation

Md. Abu Salek, United International University, Bangladesh

Jannatun Nayeem, Ahsanullah University of Science and Technology, Bangladesh

Md. Mubarak Hossian, Dhaka University, Bangladesh

Finite Element Analysis of Mixed Convection in a Square Cavity Having Adiabatic Circular Cylinder

Mohammed Nasir Uddin, Bangladesh University of Business & Technology (BUBT), Bangladesh

M A Alim, Department of Mathematics, Bangladesh University of Engineering & Technology (BUET), Bangladesh

Transient Heat and Fluid Flow through a Curved Rectangular Duct of Large Aspect Ratio

Mst. Rabeya Yasmin and Rabindra Nath Mondal, Science, Engineering and Technology School, Khulna University, Bangladesh

Large-Eddy Simulation of Transition-To-Turbulent Pulsatile Flow Using a Dynamic Nonlinear Subgrid-Scale Stress Model

Md. Mamun Molla, North South University, Bangladesh

Bing-Chen Wang, Winnipeg, MB, R3T 5V6, Canada

Finite Difference Solution of Transient Free Convection and Mass Transfer Flow along a Vertical Flat Plate

Md. Zahidul Islam Azad and Rabindra Nath Mondal, Science, Engineering and Technology School, Khulna University, Bangladesh

Unsteady Flow through a Rotating Curved Channel with Rectangular Cross-Section

Rabindra Nath Mondal, and Md. Saidul Islam, Engineering and Technology School, Khulna, Bangladesh

Anup Kumar Datta, The University of Asia Pacific, Bangladesh

Session 2B: Optimization & Statistics 3:45 - 5:15 pm Room: 230

Chair : Professor Dr. Ajit Kumar Majumder, Jahangirnagar University

Co- Chair : Dr. M Sharif Uddin, Jahangirnagar University

Contributory Talks:

Modeling Chaotic Behavior of Chittagong Stock Indices

Shipra Banik, Mohammed Anwer and A.F.M. Khodadad Khan, Independent University of Bangladesh, Bangladesh

Mathematical Analysis of Credit Risk in a Bank

Md. Mahmudul Islam, Md. Kutub Uddin, University of Dhaka, Bangladesh

A Decomposition Technique for Solving Integer Programming Problems

Md. Istiaq Hossain, United International University, Bangladesh

M. Babul Hasan, University of Dhaka, Bangladesh

Mathematical Modeling of Bond Valuation

Bijan Krishna Saha, Barisal University, Bangladesh

Md. Kutub Uddin, Dhaka University, Bangladesh

Rama Sarkar, Bangladesh University of Business and Technology (BUBT), Bangladesh

Md. Shafiul Alam, Barisal University, Bangladesh

Single Share Price Analysis Using Stochastic Differential Equation and Adaptive Methods for Balanced Stock Market

Sushanta Kumer Roy, Notre Dame College, Dhaka

M. Sharif Uddin, Jahangirnagar University, Dhaka

Solving Transportation Problem with Mixed Constraints

Md. Rezwon Hossain and Rabindra Nath Mondal, Science, Engineering and Technology School, Bangladesh

Testing the Population Coefficient of Variation

Shipra Banik, Independent University of Bangladesh, Bangladesh

B. M. Golam Kibria, Florida International University, USA

Numerical Approximation and Stability Analysis of an Extended Black-Scholes Model

MKS and SKB, University of Dhaka, Bangladesh

Production Inventory System with Different Rates of Production

Mohammad Ekramol Islam, Northern University Bangladesh

K.M. Safiqul Islam, Govt. Haraganga College, Bangladesh

Session 2C: Mathematical Physics

3:45 - 5:15 pm

Room: 232

Chair : Professor Dr. Amal K Haldar, University of Dhaka

Co- Chair : Dr. Showkat Ali, University of Dhaka

Solution of Einstein's Field Equations for Mixed Potential of a Radiating Star

Mohammed Ashraful Islam and Md. Abu Helal, University of Chittagong, Bangladesh

Black Holes, Space-Time Singularities in General Relativity

K. E. Hoque, Ahsanullah University of Science and Technology, Bangladesh

Anharmonic Solution of Schrödinger Time-Independent Equation

Mohammed Ashraful Islam, University of Chittagong, Bangladesh

J. N. Islam, University of Chittagong, Bangladesh

Solution of Einstein's Equations for Radiating Relativistic Matter in Geodesic Motion

Mohammed Ashraful Islam and Md. Sayeed Iftakhar Yousuf, University of Chittagong, Bangladesh

Estimation of Energy for Ground State of Helium

K. M Ariful Kabir, Independent University, Bangladesh

Amal K Halder, University of Dhaka, Bangladesh

Stability of Three-Body Quantum Mechanical Systems Interacting with Screened Coulomb Potentials

Arijit Ghoshal, Department of Mathematics, Burdwan University, India

Y. K. Ho, Institute of Atomic and Molecular Sciences, Taiwan

Application of the Schouten Brackets in Computation of the Properties of Polyvector Field and Poisson Cohomology

A V Odesskii, A S Bhuiyan, T Wolf, Brock University, Canada

23 December 2011 Friday

Venue: Math-Stat Building

Session 3A: Computational Fluid Dynamics 9:00 - 10:30 am Room: Math-Stat Gallery

Chair : Professor Dr. Hans Babovsky, Ilmenau University of Technology, Germany

Co- Chair : Professor Dr. M A Mamun, Jahangirnagar University, Bangladesh

Invited Talk:

Some Analytic Solutions of Boundary Layer Flow of Power law Fluid over Power Law Stretching Surface

Professor Dr. Saleem Asghar

CIIT, Islamabad, Pakistan

Contributory Talks:

The Study for Assessment of an Adaptive Mesh Computational Fluid Dynamics Model

Zahangir Hossain and Jahrul Alam, Memorial University of Newfoundland, Canada

Thermal Radiation Effect on MHD Free Convection Flow and Heat Transfer of Power-Law Non-Newtonian Fluids Along a Continuously Moving Stretching Sheet with Uniform Surface Heat Flux

Md. Rakib Hossain, University of Dhaka, Bangladesh

M. A. Samad, University of Dhaka, Bangladesh

Second Grade Fluid Flow past an Exponential Stretching Sheet Considering Variable Properties

M. Ferdows and Tania S. Khaleq, University of Dhaka, Bangladesh

Critical Behaviour of the Influence of Magnetic Reynolds Number on MHD Flow in Convergent –Divergent Channels

M. S. Alam, Jagannath University, Bangladesh

M. A. H. Khan, Bangladesh University of Engineering and Technology, Bangladesh

Numerical Estimation of Traveling Wave Solution of Two-Dimensional K-DV Equation Using a New Auxiliary Equation Method

M R Karim, Department of Mathematics, Jagannath University, Bangladesh

M A Alim, Department of Mathematics, Bangladesh University of Engineering and Technology, Bangladesh

L S Andallah, Jahangirnagar University, Bangladesh

Session 3B: Pure Mathematics

9:00 - 10:30 am

Room: 232

Chair : Professor Anjan Mukherjee, Tripura University, India

Co- Chair : Professor A. S. A. Noor, East West University, Bangladesh

Contributory Talks:

0-Distributive Nearlattice

Md. Zaidur Rahman, Khulna University of Engineering & Technology, Bangladesh

A. S. A. Noor, East West University, Bangladesh

Annulets in a Distributive Nearlattice

A S A Noor, East West University, Bangladesh

M Ayub Ali, Jagannath University, Bangladesh

A K M S Islam, Edward College, Bangladesh

α -Ideals in a Distributive Nearlattice

A S A Noor, East West University, Bangladesh

M Ayub Ali, Jagannath University, Bangladesh

A K M S Islam, Edward College, Bangladesh

Modular Ideals of a Nearlattice

Md. Zaidur Rahman, Khulna University of Engineering and Technology, Bangladesh
A S A Noor, East West University, Bangladesh

N-Distributive Lattice

Sompa Rani Podder and A S A.Noor, East West University, Bangladesh

On Semiprime Ideals in Lattices

R M Hafizur Rahman, Begum Rokeya University, Bangladesh
A S A Noor, East West University, Bangladesh

Some Characterization of n-Distributive Lattices

Jahanara Begum, Primeasia University, Bangladesh
M. Ayub Ali, Jagannath University, Bangladesh
A.S.A. Noor, East West University, Bangladesh

Convergence Analysis of Gauss-type Proximal Point Method for Metrically Regular Mappings

M. H. Rashid, University of Rajshahi, Bangladesh
C. Liy, Zhejiang University, China

Session 3C: Applied Mathematics

9:00 - 10:30 am

Room: 230

Chair : Professor Dr. Nurul Alam Khan, Uttara University Bangladesh

Co- Chair : Professor Dr. Ashutose Saha, Chittagong University of Engineering & Technology, Bangladesh

Contributory Talks:

Stresses on Some Shells of Elliptic Paraboloid

S Banik, Tripura Institute of Technology, India

The Equilibrium Solution and Error Estimation of the Boltzmann Equation Based on a Loosely Coupled Hexagonal Grid

Wahida Zaman Loskor, Gono Bishwabidyalay, Bangladesh
Laek Sazzad Andallah, Jahangirnagar University, Bangladesh

Some New Traveling Wave Solutions of Kdv-Burgers Equation

M. Abdur Rab, Jahangirnagar University, Bangladesh
Abdus Sattar Mia, Brock University, Canada
Tania Akter, World University of Bangladesh, Bangladesh

Adiabatic Demagnetization and Its Cooling Effect

Matiur Rahman and Rupen Barua, Chittagong University, Bangladesh

Spin Waves (Magnons) in Ferro Magnets

Matiur Rahman and Rupen Barua, Chittagong University, Bangladesh

An Analytical and Numerical Method of a Second Order Traffic Flow Model

Tauhedul Azam, Dhaka University of Engineering and Technology, Bangladesh
L S Andallah, Jahangirnagar University, Bangladesh

Effect of Irregular Stenosis on Shear-Thinning Viscoelastic Blood Flow past an Arterial Segment

Prashanta Kumar Mandal, Visva-Bharati University, India

Implementation of Polytopic Method to Study Initial Structures of Extrasolar Protoplanets

Gour Chandra Paul, Mrinal Chandra Barman, University of Rajshahi, Bangladesh

----- **Tea Break (10:30-11.00 am)** -----

Session 4A: Optimization & Statistics**11:00-12:45 pm****Room: 230**

Chair : Professor Dr. Ainul Islam, University of Dhaka

Co- Chair : Professor Dr. Ganesh Chandra Roy, Asian University for Women, Chittagong

Invited Talk:**A Modified Integrated Vendor-Buyer Model in Two-Stage Supply Chain with Stochastic Lead Times**

Dr. M Abdul Haque

University of Brunai Darussalam

Contributory Talks:**A Modified Algorithm of Two Person Zero-Sum Game through Computer Algebra**

H. K. Das, T. Shaha and M. B. Hasan, University of Dhaka, Bangladesh

A Generalized Birth-Death Stochastic Model for High-Frequency Order Book Dynamics

Rashed Saifuddin, University of Dhaka, Bangladesh

Md. Kukub Uddin, University of Dhaka, Bangladesh

Solving LFP by Converting It into a Single LP

M. Babul Hasan, University of Dhaka, Bangladesh

Sumi Acharjee, University of Dhaka, Bangladesh

Analysis of Fixed and Adjustable Interest Rate Mortgage in Real Estate Loan Financing and Investments

Mohammad Tanzil Hasan, University of Information Technology and Sciences (UITS), Bangladesh

Md. Kutub Uddin, University of Dhaka, Bangladesh

Various Integral Representations of Beta Function

H. M. Miraz Mahmud, Humayun Kiser and Mian Arif Shams Adnan, Jahangirnagar University, Bangladesh

Session 4B: Computational Fluid Dynamics 11:00-12:45 pm Room: Math-Stat Gallery

Chair : Professor Dr. Shamsul Alam Sarker, University of Rajshahi

Co- Chair : Professor Dr. Md. Anwarul Islam, Shahjalal University of Science & Technology

Contributory Talks:**Natural Convective Flow and Heat Transfer of Water - Cu Nanofluid in a Trapezoidal Enclosure**

Rehena Nasrin, Salma Parvin and M A. Alim, Bangladesh University of Engineering and Technology, Bangladesh

Hydromagnetic Effects on Axial Flow and Internal Flow Separation in an Exponentially Diverging Channel with Permeable Boundaries

M. Saiful Islam Mallik, Ahsanullah University of Science and Technology, Bangladesh

M. Abdul Hakim Khan, Bangladesh University of Engineering and Technology, Bangladesh

Tahmina Begum, Dhaka City College, Bangladesh

Reynolds Number Effect on Combined Convection in a Channel with a Heat-Generating Tube

Salma Parvin, Rehena Nasrin and N. F. Hossain, Bangladesh University of Engineering and Technology, Bangladesh

Radiation Effect on MHD Natural Convection Flow Over a Sphere with Heat Generation

M Miraj, Dhaka Commerce College, Bangladesh

M A Alim, Bangladesh University of Engineering and Technology, Bangladesh

L S Andallah, Jahangirnagar University, Bangladesh

MHD Free Convection Flow with Viscosity Inversely Proportional to Linear Function of Temperature and Thermal Conductivity Dependent on Temperature along a Vertical Wavy Surface

Nazma Parveen and Md. Abdul Alim, Bangladesh University of Engineering and Technology, Bangladesh

Simulation of Non-Newtonian Blood Flow past an Irregular Arterial Constriction

Santabrata Chakravarty and Prashanta Kumar Mandal, Visva-Bharati University, India
Sarifuddin, Raiganj Surendranath Mahavidyalaya, India

Local Similarity Solutions for Unsteady MHD Two-Dimensional Forced Convective Heat and Mass Transfer Flow Along a Wedge with Thermophoresis

A T M M Rahman, Dhaka International University, Bangladesh.
M S Alam, Dhaka University of Engineering and Technology (DUET), Bangladesh
M K Chowdhury, Bangladesh University of Engineering and Technology (BUET), Bangladesh
A K Azad, Jahangirnagar University, Bangladesh

Numerical Solution of Burger's Equation via Cole-Hopf Transformed Diffusion Equation

Ronobir C. Sarker and L S Andallah, Jahangirnagar University, Bangladesh

A Comparative Study of Finite Difference Schemes for Burger's Equation

M A Awal Sheikh, Ronobir C Sarker and L S Andallah, Jahangirnagar University, Bangladesh

Session 4C: Applied Mathematics

11:00-12:45 pm

Room: 232

Chair : Professor Abdus Sattar, Gono Bishwabidyalay
Co- Chair : Professor Md. Zulfiker Ali, Rajshahi University

Contributory Talks:

Analytical Study of Influence of Chemical Agents in Agricultural Systems

Mitul Islam, Jadavpur University, India
Bipul Islam, Indian Statistical Institute, India

A Nested Logistic Model as a Modified Logistic Population Model

Md. Sarwar Hossain, Govt. B. L. College, Bangladesh
M N A Siddique, Govt. M. M. Ali College, Bangladesh
L S Andallah, Jahangirnagar University, Bangladesh

Numerical Study of a Mathematical Model for Growth of Corals in a Closed Tank

L. W. Somathilake, J.R. Wedgedara, University of Ruhuna, Matara

Solutions of the Anti-Symmetric, Piecewise Constant Force Oscillator by Iteration Procedure

B. M. Ikramul Haque and M. S. Alam, Rajshahi University of Engineering & Technology, Bangladesh

A Drought Climatology for North-West Region of Bangladesh

S. M. Gias Uddin, University of Rajshahi, Bangladesh
M. Zillur Rahman, University of Rajshahi, Bangladesh

Global Climate Change and Its Effects on Coastal and River Floods in Bangladesh

Ashabul Hoque, University of Rajshahi, Bangladesh

A Study of Global Warming in Bangladesh

A B M Shamim Ul Hasan, University of Rajshahi, Bangladesh
M Zillur Rahman, University of Rajshahi, Bangladesh

Irreversible Flow in Dichotomous Channel of Human Lung

Mahtab Uddin Ahmmmed, Dhaka University of Engineering and Technology, Bangladesh
Hiroyuki Hirahara, Saitama University, Japan

----- **Lunch & Prayer Break (12:45 - 2.15 pm)** -----

Session 5A: Computational Fluid Dynamics 2:15-3:45 pm Room: Math-Stat Gallery

Chair : Professor Dr. Saleem Asghar, COMSATS Institute of IT Islamabad Pakistan

Co- Chair : Professor Manirul Alam Sarker, Bangladesh University of Engineering & Technology

Invited Talk:

Numerical solutions methodologies of boundary layer problems

Professor Anwar Hossain, Bangladesh

Contributory Talks:

Finite Element Analysis on Natural Convection Flow in a Square Open Cavity Containing a Heated Circular Cylinder

Sheikh Anwar Hossain, Govt. B L College Khulna, Bangladesh

M. A. Alim, Department of Mathematics, BUET, Bangladesh

Effects of Internal Heat Generation on Natural Convection with Variable Viscosity along a Vertical Wavy Surface

M. A. Alim, Bangladesh University of Engineering and Technology, Bangladesh

Shahidul Alam, Northern College Bangladesh, Bangladesh

M. Miraj, Dhaka Commerce College, Bangladesh

Critical Behavior of the Solution of Hydromagnetic Flows in a Channel with Slip At the Permeable Boundaries

T. Begum, Dhaka City College, Bangladesh

M. A. H. Khan, Bangladesh University of Engineering and Technology, Bangladesh

Pressure-Driven Flow Instability with Convective Heat Transfer Through a Curved Duct with Strong Curvature

Rabindra Nath Mondal, Samir Chandra Roy and Md. Saidul Islam, Science, Engineering and Technology School, Khulna University, Bangladesh

Numerical Simulation of Heat Transfer Enhancement of Copper-Water Nanofluids in an Inclined Lid-Driven Triangular Enclosure

M. M. Billah, Ahsanullah University of Science and Technology (AUST), Bangladesh

M. M. Rahman, Bangladesh University of Engineering and Technology (BUET), Bangladesh

Uddin M. Sharif, Jahangirnagar University, Bangladesh

Session 5B: Applied Mathematics 2:15-3:45 pm Room: 230

Chair : Professor Amulya Chandra Mandal, University of Dhaka

Co- Chair : Professor Abu Naim Sheikh, Dhaka University of Engineering & Technology

Contributory Talks:

Analytical Study of Influence of Chemical Agents in Agricultural Systems

Mitul Islam, Jadavpur University, India

Bipul Islam, Indian Statistical Institute, India

A Numerical Simulation of Severe Cyclone Sidr-2007

Nikhil Chandra Sarker, International University of Business Agriculture and Technology, Bangladesh

Anowarul Islam, Shahjalal University of Science and Technology, Bangladesh

Sujit Kumar Debsarma, SAARC Meteorological Research Centre, Bangladesh

The Viscous Fluid Flow Due To the Combination of a Source and a Uniform Stream in the Presence of Two Rigid Boundaries

M Jalal Ahammad, University of Chittagong, Bangladesh

Mathematical Analysis of Adsorption Solar Cooling in the Perspective of Dhaka Climatic Conditions

R A Rouf, T Ashrafee and A F M K Khan, Independent University, Bangladesh, Bangladesh

K C A Alam, East-West University, Bangladesh

M. A. H. Khan, Bangladesh University of Engineering and Technology, Bangladesh

Study of the Coordination Deficiency of Some Regions of the Brain to Model Autism

Dr. Mohammad Hanif Ali, Jahangirnagar University, Bangladesh

Md. Zamilur Rahman, Mawlana Bhashani Science and Technology University, Bangladesh

A Reliable Modification of Homotopy Perturbation Method for Differential and Integral Equations

M S H Chowdhury, International Islamic University Malaysia, Malaysia

M M Rahman, Universiti Putra Malaysia, Malaysia

Mathematical Model for the Estimation of the Effect of Advertisement on Sale

N A Siddique, Govt M. M. Ali College, Bangladesh

M S Hossain, Govt B. L. College, Bangladesh

L S Andallah, Jahangirnagar University, Bangladesh

Mathematical Interpretation on the Complex Collaboration Between HIV and Type – II Diabetes

Jannatun Nayeem, Ahsanullah University of Science and Technology, Bangladesh

Md. Abu Salek, Bhawal Bodre Alam Government College, Bangladesh

Numerical Solution of a Multilane Traffic Flow Model

M H Kabir, M O Gani and L S Andallah, Jahangirnagar University, Bangladesh

Session 5C: Pure Mathematics

2:15-3:45 pm

Room: 232

Chair : Professor Akhil Chandra Paul, University of Rajshahi

Co- Chair : Professor Md. Abdul Latif, University of Rajshahi

Contributory Talks:

Lie Structure in Simple Gamma Rings

A C Paul, University of Rajshahi, Bangladesh

Md. Sabur Uddin, Carmichael College, Bangladesh

Some Commutativity Theorems for Prime Γ -Rings with Generalized Derivations

Kalyan Kumar Dey and Akhil Chandra Paul, University of Rajshahi Bangladesh

Some Star Type Lindelöf Spaces

Subrata Bhowmik, Tripura University, Suryamaninagar, Agartala, Tripura-799130, India

On Minimal Δ Dense Sets and Its Applications

Sharmistha Bhattacharya (Halder), Tripura University, India

On the Pattern of Prime Numbers

Kamrul Ahasan, University of Dhaka, Bangladesh

On Transformation Semigroups

Abeda Sultana, Jahangirnagar University, Bangladesh

Nirmal Kanti Mitra, Bangladesh University of Business & Technology, Bangladesh

A.F.M. Khodadad Khan, Independent University, Bangladesh

Characterizations of d-Algebras and Its P-Ideals

C. Nag, S.N. Begum and Mr. Talukder, Shahjalal University of Science and Technology, Bangladesh

Some Characterizations of Modular and Distributive Ordered Sets

M. R. Talukder and S. A. Bhuiyan, Shahjalal University of Science and Technology, Bangladesh

----- **Tea Break (3:45-4:00 pm)** -----

Session 6A: Applied Mathematics

4:00 – 5:15 pm

Room: Math-Stat Gallery

Chair : Professor Md. Matiur Rahman, University of Chittagong

Co- Chair : Professor M A Samad, University of Dhaka

Contributory Talks:

Non-Newtonian Blood Flow through Arterial Stenosis-Effect of Variable Viscosity

Md. Asif Iqbal, Labpur Jadavlal High School, India

Persistence and Global Stability of a Delayed Predator-Prey Model with Beddington-Deangelis Response Function

Sahabuddin Sarwardi, Raiganj Surendranath Mahavidyalaya, India

Mainul Haque, University of Nottingham, University Park, Nottingham, UK

Prashanta Kumar Mandal, Visva-Bharati, Santiniketan-731 235, West Bengal, India

Simulation of Chemistry Problem by the Variational Iteration Method Revised

Shukranul Mawa, Universiti Kebangsaan Malaysia, Malaysia

M. S. H. Chowdhury, International Islamic University Malaysia, Malaysia

Application of Unit Hydrograph

Asraful Islam, Student, M.S, Department of Mathematics, University of Dhaka, Dhaka 1000

Md. Motaleb Hossain, Assistant Professor, Department of Mathematics, University of Dhaka, Dhaka 1000

Least-square Approximation of the Growth Rate in Malthusian Model for Population Projection in Dhaka City

Masuma Parvin, Daffodil International University, Dhaka, Bangladesh

L S Andallah, Department of Mathematics, Jahangirnagar University, Dhaka, Bangladesh

Stokes Flow Past a Slip Oblate Spheroid

A. Murad, University of Chittagong, Bangladesh

Introducing of Air Bubble Effects on Cyclone-Induced Storm Surge along the Coast of Bangladesh

A. Rahman, G.C. Paul and A. Hoque, University of Rajshahi, Bangladesh

Similarity Solution Due To Stretching Sheet with an Aligned Magnetic Field in the Presence of Thermal Radiation and Heat Exchange

Md. Sakhawat Hossain, Ashish Barmon and M. Ferdous, University of Dhaka, Bangladesh

K C Alam, East West University, Bangladesh

Session 6B: Computational Methods

4:00 – 5:15 pm

Room: 230

Chair : Professor Al-Amin Bhuyian, CSE, Jahangirnagar University

Co- Chair : Professor Md. Shafiqul Islam, University of Dhaka

Contributory Talks:

Design of an Active Machine Learning Framework for the Improvement of Web Information Retrieval

Biswajit Saha, Tripura Institute of Technology, India

Computational Speed-Up in Digital Holographic Image Reconstruction Using Graphics Processing Unit

Mohammad Shorif Uddin and Madeena Sultana, Jahangirnagar University, Bangladesh

On Finding the Control Points of Bézier Curves for Face Recognition

Suman Sheikh, Md. Afzal Hossain, Foysal Ahmed, Northern University, Bangladesh

Md. Al-Amin Bhuiyan, Jahangirnagar University, Bangladesh

Hiromitsu Hama, Osaka City University, Japan

An Efficient and Sophisticated Parallel Mesh Adaptation Algorithm

T. K. Sheel, SUST, Bangladesh

J. Alam, Memorial University of Newfoundland, Canada

G. Compere and J.-F. Remacle, IMMC, Université Catholique de Louvain, Belgium

Operator Splitting Method for Solving Viscous Burger's Equation

M S Alam, Morsheda Begum and L S Andallah

Department of Mathematics Jahangirnagar University Savar Dhaka

Importance of Higher Order Quadrilateral Finite Elements in View of Accuracy and Efficiency

M. S. Karim, SUST, Sylhet, Bangladesh

Razwan Ahamad, SUST, Bangladesh

M. Borhan Uddin, SUST, Bangladesh

Clamped Cubic Spline Formula and Its Application to Find Roots of Transcendental Equations

Mostak Ahmed, Jagannath University, Bangladesh

A Study on Error Estimate And Error Bounds For Lagrange Polynomial Interpolation

Md. Musa Miah, IUBAT—International University of Business Agriculture Technology, Bangladesh

Dr. Md. Sharif Uddin, Jahangirnagar University, Bangladesh

Numerical Solutions of Volterra Integral Equations Using Legendre Polynomials

M. A. Rahman, Bangladesh University of Business & Technology, Bangladesh

M. S. Islam, University of Dhaka, Bangladesh

M. M. Alam, Khulna University, Bangladesh

Session 6C: Optimization & Statistics

4:00 – 5:15 pm

Room: 232

Chair : Professor Dr. M Abdul Haque, University of Brunai Darussalam

Co- Chair : Dr. Babul Hasan, University of Dhaka

Contributory Talks:

A Moderate Technique of Time Optimization for a Large Project

Md. Azizur Rahman , Md. Amirul Islam, Md. Sharif Uddin , Syed Sabbir Ahmed, Jahangirnagar University, Bangladesh

An Approach to Minimize Transportation Cost Based on Time Allocation

Md. Main Uddin, Md. Azizur Rahaman, Aminur Rahaman Khan, M Sharif Uddin, Jahangirnagar University, Bangladesh

A Study of the Project Time and Cost: An Optimization Technique

Md. Sharif Uddin, Md. Azizur Rahman , Md. Amirul Islam, Syed Sabbir Ahmed, Jahangirnagar University, Bangladesh

Determination of Initial Basic Feasible Solution of Transportation Problem: an Effective Approach

Md. Amirul Islam, Government M M College, Bangladesh

M. Sharif Uddin and M. Abdul Malek, Jahangirnagar University, Bangladesh

Business Decision in Short - Run Policy: an Analysis with an MR-MC Approach

Shabiha Yesmin and M. Sharif Uddin, Jahangirnagar University, Dhaka

Effectiveness of Economic Order Quantity: Based on Lead time, Reorder level and Safety stock

Azmia Binta Mahbub, Department of Mathematics, International University of Business, Agriculture and Technology, Dhaka

Aminur Rahman Khan, Dr. Md. Sharif Uddin, Department of Mathematics, Jahangirnagar University, Dhaka, Bangladesh

Determining the Profit Maximization Level: an Empirical Investigation in Navana Furniture, Bangladesh

Nour Mohammed Chowdhury, World University of Bangladesh

Sensitivity Analysis of LFP Depending Due to the Change in Numerator and Denominator Constants

Md. Sazib Hasan, BRAC University, Bangladesh

Md. Istiaq Hossain, Institute of Natural Science, United International University, Bangladesh

Session 6D: Computational Fluid Dynamics

4:00 – 5:15 pm

Room: 231

Chair : Professor Dr. Md. Anwar Hossain, Bangladesh

Co Chair : Dr. Md. Abdul Alim, BUET

Contributory Talks:

Numerical Analysis on the Effects of Non-Dimensional Parameter on MHD Mixed Convection inside a Ventilated Cavity

M. M. Billah, Ahsanullah University of Science and Technology, Bangladesh

M.M. Rahman, Bangladesh University of Engineering and Technology, Bangladesh

U. K. Suma, Bangladesh University, Bangladesh

A. K. Azad, International Islamic University Chittagong, Bangladesh

Finite Element Simulation of Fluid Flow Due to Mixed Convection in a Lid-Driven Enclosure with a Heated Circular Hollow Cylinder

Sk. Farid, Mirpur Girls' Ideal Laboratory Institute, Bangladesh

Uddin Md. Sharif, Jahangirnagar University, Bangladesh

M. M. Rahman, Bangladesh University of Engineering and Technology (BUET), Bangladesh

M. M. Billah, Ahsanullah University of Science and Technology (AUST), Bangladesh

Conjugate Free Convection Flow from an Isothermal Horizontal Circular Cylinder with Stress Work and Viscous Dissipation

N H M. A. Azim, Southeast University, Bangladesh

M. K. Chowdhury, Bangladesh University of Engineering and Technology, Bangladesh

M. S. Tarafder, Bangladesh University of Engineering and Technology, Bangladesh

Effects of Eckert Number on Boundary Layer Flow

Tanvir Ahmed and Md. Mahmud Alam, Khulna University, Bangladesh

Numerical Study on a Scaled Fluid Dynamic Traffic Flow Model with Dimensionless Flow Quantities

L S Andallah and M H Kabir, Jahangirnagar University, Bangladesh

A Afroz, Bangladesh University of Business and Technology, Bangladesh

Analysis of Mixed Convection Flows in a Ventilated Square Cavity with a Heated Hollow Cylinder at the Centre

M. U. Ahammad, Dhaka University of Engineering and Technology, Bangladesh

M.M. Rahman, Bangladesh University of Engineering and Technology, Bangladesh

M.L. Rahmanj, Rajshahi University, Bangladesh

Finite Element Analysis of MHD Natural Convection in a Trapezoidal Cavity Having Non-Uniform Heatline Concept of Bottom Wall

Muhammad Sajjad Hossain, Ahsanullah University of Science & Technology (AUST), Bangladesh

M. A. Alim, Bangladesh University of Engineering & Technology (BUET), Bangladesh

Mohammed Nasir Uddin, Bangladesh University of Business & Technology (BUET), Bangladesh

Numerical Study on Mixed Convection in an Open Channel with Triangular Heater

M.M. Rahman, Bangladesh University of Engineering and Technology, Bangladesh

M.M. Billah, Ahsanullah University of Science and Technology, Bangladesh

Effects of Temperature Dependent Thermal Conductivity on Natural Convection Flow along a Vertical Flat Plate with Heat Generation

A. K. M. Safiqul Islam, Gowripur Govt. College, Bangladesh

M. A. Alim and M. M. A. Sarker, Bangladesh University of Engineering and Technology, Bangladesh

A. F. M. Khodadad Khan, Independent University, Bangladesh

24 December 2011 Saturday

Venue: Math-Stat Building

Session 7A Dynamical Systems

9:00 - 10:30 am

Room: Math-Stat Gallery

Chair : Professor A F M Khodadad Khan, Independent University Bangladesh

Co- Chair : Professor Dr. Shahidul Islam, University of Dhaka

Contributory Talks:

Some Interesting Phenomena in Dynamical Systems with Their Applications

Abu Sayeed Alam and Payer Ahmed, Jagannath University, Bangladesh

Dynamical Behavior of Mandelbrot and Julia Sets Using Mathematica and Matlab

Zakaria Parves, Jagannath University, Bangladesh

Payer Ahmed, Jagannath University, Bangladesh

Dynamical Behavior of Fractal Geometry Using Mathematica and Matlab

Mazedur Rahman, Jagannath University, Bangladesh

Payer Ahmed, Jagannath University, Bangladesh

The Behavior of Orbits of Measurable Function with Norm 1 Associated with Chaotic Maps

Payer Ahmed, Jagannath University, Bangladesh

Jahurul Islam, Bangladesh Institute of Science and Technology, Dhaka

Shinzo Kawamura, Yamagata University, Yamagata 990, Japan

Dynamical Behavior of Orbits of Newton's Iteration Function Associated To Real Functions

Jahurul Islam, Bangladesh Institute of Science & Technology, Bangladesh

Payer Ahmed, Jagannath University, Bangladesh

Dynamical Behavior of One-Dimensional Maps Using Mathematica and Matlab

Lokman Hossain, Jagannath University, Bangladesh

Payer Ahmed, Jagannath University, Bangladesh

Numerical Approximations for Reaction- Diffusion System Modeling Predator- Prey Interactions

Sujal Krishna and Dr. Samir Kumar Bhowmik, University of Dhaka, Bangladesh

An Exploration of the Cantor Set and Its Fractal Dimension

Md. Shariful Islam Khan, National University, Bangladesh

Md. Shahidul Islam, University of Dhaka, Bangladesh

Dynamics of a Predator-Prey Interaction in Chemostat with Variable Yield

Sarker Md. Sohel Rana, University of Dhaka, Bangladesh

Farzana Nasrin and Md. Istiaq Hossai, United International University, Bangladesh

Session 7B Applied Mathematics

9:00 - 10:30 am

Room: 230

Chair : Professor Md. Zillur Rahman, University of Rajshahi

Co- Chair : Professor Dr. M Majedur Rahman, Rajshahi University of Engineering and Technology

Contributory Talks:

Numerical Simulations of Material Interfaces Using Conservative Front-Tracking Method

Mohammed Aman Ullah, University of Chittagong, Bangladesh

Mao De-kang, Shanghai University, China

A New Generalized Finite Difference Equation for One Dimensional Heat Equation

Md. Sahidul Islam, University of Chittagong, Bangladesh

Curve Representation with the Help of Wavelet Functions of Dhaka Stock Exchange

Md. Mizanur Rahman, Bangladesh University of Business and Technology, Bangladesh

A New Implicit Method for Numerical Solution of Singular Initial Value Problems

M. Kamrul Hasan , M. Ashraful Huq, M. Saifur Rahman, M. Majedur Rahman and M. Shamsul Alam
Rajshahi University of Engineering and Technology, Bangladesh

A Partial Differential Equation Model for Age-Structured Population Projection of Bangladesh

Shirin Akter, Gono Bishwabidyalay, Bangladesh

L S Andallah, Department of Mathematics, Jahangirnagar University, Bangladesh

Data Dependence for Noor Iterative Scheme Dealing with Contractive-Like Operators

Md. Asaduzzaman, Islamic University, Bangladesh

Md. Zulfikar Ali, University of Rajshahi, Bangladesh

Numerical Integration over a Polygon

Mohammad Alamgir Hossain, Jagannath University, Bangladesh

Burger's Equation as a Traffic Flow Model

M O Gani, M H Kabir and L S Andallah, Jahangirnagar University, Bangladesh

Non-Newtonian Natural Convection Flow along an Isothermal Horizontal Circular Cylinder

Sidhartha Bhowmick, Presidency University, Bangladesh

Md Mamun Molla, North South University, Bangladesh

Chaotic Behavior of One-Dimensional Maps Using Mathematica and Matlab

Mohammad Saifur Rahman, Jagannath University, Bangladesh

Payer Ahmed, Chairman, Jagannath University, Bangladesh

Session 7C: Pure Mathematics

9:00 - 10:30 am

Room: 232

Chair : Professor M Shamsur Rahman, Jahangirnagar University

Co- Chair : Professor Sattrajit Kumar Saha, Jahangirnagar University

Contributory Talks:

Common Fixed Point Theorem in Fuzzy Metric Space by Altering Distances between Points

Kanhaiya Jha, Kathmandu University, Nepal

Anti-Hausdorff Spaces

Subrata Majumdar and Mallika Mitra, University of Rajshahi, Bangladesh

On Global Existence Theorem of Certain Volterra Integral Equation of Second Kind

Md. Shariful Islam and A.F.M. Khodadad Khan, Independent University, Bangladesh

Mir Shariful Islam, University of Information Technology and Sciences, Bangladesh

A Study of Some Results Related To Precompactly Summing Mapping

Dr. Manish Kumar, Kisan College, Biharsharif, Bihar, India

Dr. Amit Kumar, R.P.S. College, Chakeyaj, Vaishali, Bihar, India

Dr. Alok Kumar, Maharaja College, Ara, Bihar, India

Dr. Aswani Kumar Sinha, M M M College, Ara, Bihar, India

On Weakly W_3 -Symmetric Manifolds

Shyamal Kumar Hui, Nikhil Banga Sikshan Mahavidyalaya, West Bengal, India

On Legendre Curves on Trans-Sasakian Manifolds

Avijit Sarkar, The University of Burdwan, India

A Natural Duality for Quasi-Variety Generated by Five-Element Residuated Lattice

S.M. Omar Faruk and Mr. Talukder, Shahjalal University of Science and Technology, Bangladesh

Some Features of α - T_1 –Spaces in Supra Fuzzy Topology

Md. Fazlul Hoque, Department of Mathematics, Pabna Science and Technology University, Bangladesh

M. S. Hossain, Department of Mathematics, Rajshahi University, Rajshahi, Bangladesh

D. M. Ali, Department of Mathematics, Rajshahi University, Rajshahi, Bangladesh

On Right Quasi I-Regular Rings

Dr. Q. S. Sultana, University of Rajshahi, Bangladesh

R. Chowdhury, Stamford University of Bangladesh, Bangladesh

----- **Tea Break (10:30am-11.00 am)** -----

Session 8A: Pure Mathematics

11:00-12:45 pm

Room: 232

Chair : Professor Dr Moqbul Hossain, Uttara University Bangladesh

Co- Chair : Professor Md. Asaduzzaman, University of Rajshahi

Contributory Talks:

A Classification of K^* -Spaces of the Second Order

M Shamsur Rahman, Jahangirnagar University, Bangladesh

Addition Theorem Related to the Gegenbauer Polynomial $C_n^{\nu}(x)$

Dr. Md. Zohir Uddin and Dr. Dipak Klumar Badsu, Salt Lake City, Kokata

Serret-Frenet Equations in Minkowski Space

Md. Abu Hanif Sarkar, Department of Mathematics, Jagannath University

Md. Showkat Ali, Department of Mathematics, University of Dhaka

The Completion of n-kernels of the Skeletal Congruences on a distributive lattice

M. A. Latif, Department of Mathematics, University of Rajshahi, Rajshahi -6205, Bangladesh

On Matrices Over Semirings

Kanak Ray Chowdhury, Department of Mathematics, Mohammadpur Model School and College, Mohammadpur, Dhaka

Abeda Sultana, Department of Mathematics, Jahangirnagar University, Savar, Bangladesh.

Nirmal Kanti Mitra, Mathematical and Physical Sciences, Bangladesh University of Business and Technology, Dhaka

A F M khodadad Khan, Independent University, Bangladesh

Approximate Solutions of Fuzzy Relational Equations Using Genetic Algorithm

Nasim Khan and Nirmal Kanti Mitra, Bangladesh University of Business & Technology

Abeda Sultana, Department of Mathematics, Jahangirnagar University, Savar, Dhaka

A. F. M. Khodadad Khan, School of Communication, Independent University Bangladesh, Dhaka

Solutions of Interval Valued Fuzzy Relation Equation

Nirmal Kanti Mitra, Bangladesh University of Business & Technology

Md. Shahjalal, Primeasia University, Bangladesh

A. F. M. Khodadad Khan, Independent University Bangladesh

Study of Quotient Rings and Group Rings

Bashet Ullah, Abu Bakkar Siddique, World University of Bangladesh

Satrajit Kumar Shaha, Department of Mathematics, Jahangirnagar University

Some Characterizations of Modular and Distributive Ordered Sets

M. R. Talukder and S. A. Bhuiyan, Shahjalal University of Science and Technology, Bangladesh

Session 8B: Optimization & Statistics**11:00 am -12:45 pm****Room: 230**

Chair : Professor Dr Shawpan Kumar Dhar, Jahangirnagar University

Co- Chair : Professor Dr Abdus Salam, Jahangirnagar University

Contributory Talks:**Underlying Factors behind Age at First Birth of Bangladeshi Women- an Application of Factor Analysis**

Ahbab Mohammad Fazle Rabbi, M. H. M. Imrul Kabir, Bangladesh University of Business and Technology, Bangladesh

A Solution Algorithm for Minimum Convex-Cost Network Flow Problems (MC-Cnfp)

Dr. Ganesh Chandra Ray, University of Chittagong, Bangladesh

Dewan Ferdous Wahid, Stamford University, Bangladesh

Application of Bounded Variable Simplex Algorithm in Solving Maximal Flow Model

Sohana Jahan, Marzia Yesmin and Fatima Tuj Johra, University of Dhaka, Bangladesh

A Computer Technique for Solving Linear Programming Problems with Bounded Variables

S. M. Atiqur Rahman Chowdhury, University of Dhaka, Bangladesh

Numerical Simulation of Transshipment Model: An Approach to Minimize the Total Transshipment Cost

Md. Ashraful Babu, Department of Mathematics, International University of Business Agriculture and Technology (IUBAT)

Abdur Rashid, Dr. Md. Sharif Uddin, Department of Mathematics, Jahangirnagar University

An approach to minimize time and cost for successful completion of a large scale project and applying project crashing method

Kawsik Azad Pronoy, Dept of Mathematics, World university of Bangladesh

Md. Sharif Uddin, Syed Sabbir Ahmed, Dept of Mathematics, Jahangirnagar University

Non-Linear Age-Time-Population Dependent Stochastic Population Model

Md. Jamal Hossain and Md. Shahidul Islam

Department of Mathematics, University of Dhaka

A New Technique for Solving Linear Fractional Bounded Variable Problems

H K Das and M B Hasan, University of Dhaka, Bangladesh

Session 8C: Mathematics Education**11:00 am-12:45 pm****Room: Math-Stat Gallery**

Chair : Professor Dr. Munibur Rahman Chowdhury, IBAIS University.

Co-Chair : Professor Dr. Shafiqul Islam, University of Dhaka.

Contributory Talks:**The Study of Life of Mathematicians and Their Works**

Mr. Islam, M K Salah-Uddin, Rashed Saifuddin and Razina Ferdousi

Department of Mathematics, University of Dhaka, Bangladesh

Role of Visualization in Learning and Teaching Mathematics for Children

Mohammad Maruf Ahmed, BRAC University, Dhaka – 1212, Bangladesh

Identification and Sequencing of the Mathematical Concepts of Class-IV Standard

Sk. Samsul Alam, Silut Basantapur High School, India

A study on effective Mathematics teaching learning at secondary level (Grade 6-10) of Bangladesh: Problems and solutions

Md. Abdur Razzaque, Asst. Director, NAEM, Dhaka.

Dr. sk. Amzad Hossain and Riad chowdury, Training Specialist NAEM, Dhaka

Prof. Dr. Md. Abdul Halim, Professor, IER, University of Dhaka

----- Lunch & Prayer Break (12:45 - 2.00 pm) -----

Session 9: Symposium

2:00 pm– 4:45 pm

Room: Math-Stat Gallery

Mathematics Education in Bangladesh: Present Status and Prospects

Chair : Professor Dr. Md. Abdus Sattar, North South University Bangladesh

Co-Chair : Professor Dr. Laek Sazzad Andallah, Jahangirnagar University, Bangladesh

Speakers

Professor A F M Khodadad Khan, Independent University, Bangladesh

Professor Dr. Munibur Rahman Chowdhury, IBAIS University

Professor Dr. M Shamsheer Ali, President, Bangladesh Academy of Science

Professor Dr. M Zafar Iqbal, Shahjalal University of Science and Technology

Open Discussion

----- Tea Break (4:45-5:05 pm) -----

Cultural Session

5:30 pm – 7:30 pm

Venue: Jahir Raihan Auditorium

Concluding Dinner

7:30 pm

Venue: Central Cafeteria