

7 Jun 2006, Rabu (SESI SELARI)

Sesi 4A: Matematik Pendidikan (Function Room 1)

Pengerusi: **Mukheta Isa (UTM)**

9:00 – 9:20 *Evaluation of Automated Marking of Algebraic Equations Using Jaccard Coefficient*

Arsmah Ibrahim (UiTM)

9:20 – 9:40 *ClassPad 300Plus: A Technology Designed for Mathematics Education*

Fong Mun-Chou (QED Education Scientific)

9:40 – 10:00 *Memahami Nilai Tempat Nombor Melalui Kepelbagaian Kaedah Operasi Pendaraban: satu perbandingan*

Noor Hayati bt. Marzuki (USM)

10:00 – 10:20 *Aplikasi Teori Pembelajaran Vygotsky dalam Aktiviti Pengajaran dan Pembelajaran Matematik di Sekolah Menengah*

Munawir bin Azizan (USM)

10:20 – 10:40 *Kesan Pembelajaran Matematik dalam Bahasa Inggeris Terhadap Pencapaian dan Minat Pelajar*

Mukheta Isa, Aziz Nordin (UTM)

Sesi 4B: Matematik Gunaan (Function Room 2)

Pengerusi: **Abdul Halim Abdul Rashid (UM)**

9:00 – 9:20 *Numerical Solution of Fin Problem Using Decomposition Method*

Md Sazzad Hossein Chowdhury (UKM)

9:20 – 9:40 *Solving the Linear Quadratic Control Problem Using SDP Method*

Muhafzan (UPM)

9:40 – 10:00 *A Fourth Order Iterative Alternating Decomposition Explicit Method (IADE) to Solve the Heat Equation*

Noreliza Abu Mansor (UNITEN)

10:00 – 10:20 *A Fourth Order Alternating Group Explicit (AGE) Method to Solve the Heat Equation*

Norhalena Mohd Noor (UNITEN)

10:20 – 10:40 *A New Fast and Accurate Method for Maxwell Equations*

Mohammad Khatim Hasan (UKM)

Sesi 4C: Matematik Gunaan (Seminar Room 1)

Pengerusi: **Bernardin R. Wong Cheng Kiat (UM)**

9:00 – 9:20 *A Numerical Solution of Wave Motion in Viscoelastic Rods (Standard Linear Solid Model)*

Abu Bakar Musa (UNITEN)

9:20 – 9:40 *Model Resapan Bagi Gerakan Zarah dalam Medan Elektromagnet*

Nik Rusdi bin Yaacob (UKM)

9:40 – 10:00 *A Two-Dimensional Newtonian Model of Blood Flow Through a Multi-Irregular Stenosed Artery*

Norzieha Mustapha (UTM)

10:00 – 10:20 *Optical Potential Method for Positron-Potassium Scattering*

Ong Wen Eng (UM)

10:20 – 10:40 *The Boundary Layer Flow of a Viscoelastic Fluid Near a Stagnation Point*

Nur Ilyana Anwar Apandi (UTM)

Sesi 4D: Matematik Tulen (Seminar Room 2)

Pengerusi: **Md. Abu Omar bin Awang (UM)**

9:00 – 9:20 *Pencarian Darjah Keabelanan Dalam Teori Kumpulan Dengan Menggunakan Perisian GAP*

Idariyana Mohd Seran (UUM)

9:20 – 9:40 *The Graph of Cylindrical Diagram Groups from Direct Product of Two Free Semigroups*

Sri Gemawati (UKM)

9:40 – 10:00 *Real Hypersurfaces in a Complex Projective Space with Umbilic Points*

Loo Tee How (UTAR)

10:00 – 10:20 *Penganggaran Saiz p -Adic Pensifar Sepunya Terbitan Separa Polinomial*

Siti Hasana Sapar (UPM)

10:20 – 10:40 *Menghadam Pi dengan Teorem Pythagoras*

Md. Abu Omar bin Awang (UM)

Sesi 4E: Statistik (Seminar Room 3)

Pengerusi: **Abu Hassan Shaari Mohd Nor (UKM)**

- 9:00 – 9:20 *Sistem Aplikasi Tetingkap bagi Pengiraan Statistik Autokorelasi Ruang*
Liong Choong Yuen (UKM)
- 9:20 – 9:40 *Dynamic between the Malaysian Equity Market and Macroeconomic Variables: A Combination of Kalman Filter And GARCH Model*
Cheah Lee Hen (USM)
- 9:40 – 10:00 *Detecting Additive and Innovational Outliers in $BL(1,0,11)$ Model*
Mohd Isfahani Ismail (UM)
- 10:00 – 10:20 *The Relationship Among Commodity Price Indices: A Cointegration and Markov Switching Autoregression Approach*
Mohd Tahir Ismail (UKM)
- 10:20 – 10:40 *On Some Statistical Tests for Volatility Models of Interest Rates in Malaysia*
Abu Hassan Shaari Mohd Nor (UKM)

Sesi 5A: Matematik Pendidikan (Function Room 1)

Pengerusi: **Ruhana Zainuddin (UiTM)**

- 14:00 – 14:20 *Pencapaian Pelajar Diploma dalam Ujian Kemahiran Asas Matematik dan Analisis Ketepatan Ramalan Terhadap Aras Kesukaran Soalan*
Nor Maizan Abd Aziz (UiTM)
- 14:20 – 14:40 *Integration of Case Studies in Parallel Computing Course for Postgraduate Students*
Norma Alias (UTM)
- 14:40 – 15:00 *Tahap Penguasaan Asas Matematik di kalangan Pelajar dengan Prestasi yang Rendah: Kajian Kes pelajar Program Matematik di Universiti Malaysia Sabah*
Rajasegeran Ramasamy (UMS)
- 15:00 – 15:20 *Strategi Pembelajaran Matematik Beramali Menggunakan Alat Kognitif*
Rosnah Wahab (UTM)
- 15:20 – 15:40 *The Role of Self-Efficacy and Mathematics Anxiety in Mathematics Achievement: using factor and multiple regression analysis*
Ruhana Zainuddin (UiTM)

Sesi 5B: Statistik (Function Room 2)

Pengerusi: **Ahmad Shukri Yahaya (USM)**

14:00 – 14:20 *Understanding Randomness Through Regression Theory*
Ahmad Hazwan Abdul Wahab (UM)

14:20 – 14:40 *Analysis of Malaysian Wind Direction Data Using AXIS*
Jedzry Fadzlin Jalaluddin (UM)

14:40 – 15:00 *Penjanaan Nombor Rawak Menggunakan Kaedah Rekursif Berganda*
Norlida Mohd Noor (USM)

15:00 – 15:20 *Ujian Kebagusan Penyuaian Berasaskan Regresi dan Korelasi Bagi Taburan Gaussian Songsang*
Fauziah Maarof (UPM)

15:20 – 15:40 *Peramalan Hujan Menggunakan Kaedah Lambda Teritlak*
Ahmad Shukri Yahaya (USM)

Sesi 5C: Matematik Tulen (Seminar Room 1)

Pengerusi: **Mohamad Rushdan Md. Said (UPM)**

14:00 – 14:20 *Pendekatan Komputer Dalam Transformasi Polinomial Dua Pembolehubah ke Polinomial Satu Pembolehubah*
Ismail Abdullah (KUKUM)

14:20 – 14:40 *Sistem Kriptografi Kunci Awam Berdasarkan Kombinasi Masalah Pemfaktoran dan Logaritma Diskret*
Saliza Baharudin (UKM)

14:40 – 15:00 *Pembaikan Skema Tandatangan Digital Berdasarkan Kombinasi Masalah Pemfaktoran dan Logaritma Diskret*
Norshahida Rahman (UKM)

15:00 – 15:20 *A Cryptosystem Based on the Sine Function*
Rand Al-Faris (UPM)

15:20 – 15:40 *Enhancing the Algorithms of the Cubic Analog of the RSA System*
Mohamad Rushdan Md. Said (UPM)

Sesi 5D: Matematik Gunaan (Seminar Room 2)

Pengerusi: **Shaharuddin Salleh (UTM)**

14:00 – 14:20 *A New Parallel Solver for Wave Propagation in Free Space*

Mohammad Khatim Hasan (UKM)

14:20 – 14:40 *Maximum Density Effects on g-Jitter Induced Free Convection Between Vertical Plates Heated Asymmetrically*

Sharidan Shafie (UTM)

14:40 – 15:00 *A Micropolar Fluid Model of Blood Flow Through a Constricted Artery*

Ilyani Abdullah (KUSTEM)

15:00 – 15:20 *JSSP Solver with a Modified and Extended Lagrangian Relaxation Neural Network (LRNN)*

Sashirekha Appalasamy (UTM)

15:20 – 15:40 *Interstreet Crossing Issues In Single-Row Routing*

Shaharuddin Salleh (UTM)

Sesi 5E: Matematik Gunaan (Seminar Room 3)

Pengerusi: **Shaharir Zain (INSPeM)**

14:00 – 14:20 *Masalah Pengoptimuman Berdinamik Menggunakan MATHCAD*

Kek Sie Long (KUiTTHO)

14:20 – 14:40 *Analisis Awal Keputusan Berangka Kaedah Bfgs-Sd bagi Masalah Pengoptimuman Tak Berkekangan*

Mustafa Mamat (KUSTEM)

14:40 – 15:00 *Model Musyarakah bagi Pengurusan Pelaburan Islam*

Maheran Mohd Jaffar (UiTM)

15:00 – 15:20 *Stability Analysis and Maximum Profit of One Prey – Two Predators Population Model under Constant Effort of Harvesting*

Syamsuddin Toaha (UPM)

15:20 – 15:40 *Penganggaran Nilai Wustdo dalam Pengaturcaraan Linear Bermatalamat Tunggal*

Shaharir Zain (INSPeM)

Sesi 6A: Sesi Teknologi (Function Room 1)

Sesi 6B: Sesi Teknologi (Function Room 2)

Sesi 6C: Statistik (Seminar Room 1)

Pengerusi: **Susila Munisamy (UM)**

16:00 – 16:20 *Analisis Korelasi Lebar Sudut Elektrod Terhadap Nilai Ketinggian Minyak Dalam Sistem Tomografi*
Aeizaal Azman Abdul Wahab (USM)

16:20 – 16:40 *Goal Charts for Quality Improvements: A Case Study at Delphi Packard Electric (M) Sdn. Bhd.*
Zalina M.A (UKM)

16:40 – 17:00 *Bola Sepak Piala Dunia 2006: Pasukan Mana Ke Perlawanan Akhir*
Hanafi A.Rahim (KUSTEM)

17:00 – 17:20 *Line Balancing and Performance Improvements: A Case Study of a Television Assembly Plant*
Susila Munisamy (UM)

Sesi 6D: Matematik Gunaan (Seminar Room 2)

Pengerusi: **Nordin Haji Mohamed (UM)**

16:00 – 16:20 *An Optimal Production and Recycling Policy for a Manufacturing System Under a Linearly Increasing Timevarying Demand Process*
Ivan Yeo (UM)

16:20 – 16:40 *Kajian terhadap Perbandingan Prestasi Teknik Pensaizan Lot di dalam Persekitaran Rolling Horizon*
Habibollah Haron (UTM)

16:40 – 17:00 *Data Envelopment Analysis in Practice*
Nordin Haji Mohamed (UM)

Sesi 6E: Matematik Gunaan (Seminar Room 3)

Pengerusi: **Ali Hassan Mohamed Murid (UTM)**

16:00 – 16:20 *Numerical Solution of Fractional System of Nonlinear ODEs Using Decomposition Method*

Omar Abdul Aziz Mohamed Ali (UKM)

16:20 – 16:40 *Fourth Order Difference Schemes on Rotated Grid for Fourth Order Elliptic Equation*

Teong Khan Vun (USM)

16:40 – 17:00 *Penyelesaian Gelombang Kembara bagi Persamaan Resapan Bersumberkan Potensi Gompertz Menggunakan Kaedah Penguraian Adomian*

Norhasimah Mahiddin (UKM)

17:00 – 17:20 *An Iterative Technique for the Numerical Solution of the Interior Riemann Problem on Region With Corners*

Ali Hassan Mohamed Murid (UTM)