

*Second International Conference
for Applied and Pure Mathematics*

المؤتمر الدولي الثاني للرياضيات
التطبيقية والصفرة



Mathematics Arbor

*Opening Session
Day: Wednesday*

*Venue: Continuation Learning
Time:10:00*

Date:27/2/2019

08:30 Registration.

10:00 A peace of Quran.

10:15 The Dean of College of Science speech.

10:45 The Head of Department of Mathematics speech.

11:00 A Lecture in Mathematics.



Mathematics Arbor

Session: A1
Day: Wednesday

Venue: Al-Idressi
Time:12:30
Date:27/2/2019

Chair: Dr.Abdul Rahman S. Juma
Co – Chair: Dr. Samer Kassim

<i>g</i>	<i>The research title</i>	<i>The researches</i>
1	Coefficient Bounds for p-valent Functions Associated with Quasi-Subordination	Abdul Rahman S. Juma, Mohammed H. Saloomi
2	ON A CLASS OF ANALYTIC MUTIVALENT FUNCTIONS INVOLVING HIGHER - ORDER DERIVATIVES	Zainab H. Mahmood, Kassim A.Jassim and Buthyna N.Shibab
3	ON SUBCLASS OF MULTIVALENT HARMONIC FUNCTIONS INVOLVING MULTIPLIER TRANSFORMATION	Rafid Habib Buti, Kassim A. Jassim
4	Generalized shift operators on L-inf	Fatemah Ayatollah Zadeh Shirazi
5	Property (ao) AND TENSOR PRODUCT	Zaman Adel Rashid Buthainah A.A. Ahmed,

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Mathematics Arbor

*Session :B1
Day: Wednesday*

*Venue: Dr.Adil G.Naom
Time:12:30
Date:27/2/2019*

*Chair: Dr.Bahar Hamad
Co – Chair: Dr. Afraa R.Sadek*

<i>g</i>	<i>The research title</i>	<i>The researches</i>
<i>1</i>	On Geometry of Conformally Co-symplectic Manifold	Farah H. Al-Hussaini, Aligadzhi R. Rustanov, Habeeb M. Abood
<i>2</i>	Some New Types of Perfect Mappings	G. S. Ashaea, Y. Y. Yousif
<i>3</i>	Set-theoretical entropy of Alexandroff square homeomorphisms	Fatemah Ayatollah Zadeh Shirazi, Sahar Dakhili
<i>4</i>	Certain Types of Topological Vector Spaces	Jalal Hatem Hussein Bayati
<i>5</i>	Strong and Weak Forms of μ -Kc-Spaces	Nadia A. Nadhim, Haider J. Ali, Rasha N. Majeed



Mathematics Arbor

*Session: C1
Day: Wednesday*

*Venue: COM.1
Time: 12:30
Date: 27/2/2019*

*Chair: Dr. Saad Naji
Co – Chair: Dr. Jihad Ramathan*

<i>g</i>	<i>The research title</i>	<i>The researches</i>
<i>1</i>	Convergence of Schrödinger Operator with Electromagnetic Potential	Hadeel Ali Hassen, Yahea Hashem Saleem
<i>2</i>	Numerical reconstruction of time-dependent thermal conductivity for heat equation from non-local overdetermination conditions	Mohammed Sabah Hussein
<i>3</i>	Blow-up Set and Upper Rate Estimate for Reaction-Diffusion Parabolic Equation	Maan A. Rasheed
<i>4</i>	Development of GIS model builder for estimation of Actual Evapotranspiration based on surface energy balance algorithm for land	Hussein Sabah Jaber
<i>5</i>	Modelling and Simulation of Airflow in Inclined Bifurcated Trachea	Esam A. Alnussairy, Ahmed Bakheet and Norsarahaida Amin



Mathematics Arbor

Session: A2
Day: Thursday

Venue: Al-Idressi
Time: 8:30
Date: 28/2/2019

Chair: Dr. Ahmed Malood
Co – Chair: Dr. Sundos Bader Habeeb

<i>g</i>	<i>The research title</i>	<i>The researches</i>
1	Radiation and Mass Transfer Effects on MHD Oscillatory Flow for Jeffery Fluid with Variable Viscosity through Porous Channel in the Presence of Chemical Reaction	Dheia Gaze Salih Al-Khafajy
2	SUCTION/INJECTION EFFECTS ON UNSTEADY CHEMICALLY RADIATING MAGNETO-HYDRODYNAMICS OSCILLATORY FLOW IN A VERTICAL CHANNEL	Joseph Kpop Moses
3	Evolution of wear articular cartilage of synovial human Hip joint using Non-Newtonian elastic Model	Enas Yahya Abdullah
4	The combined effectiveness of magnetic force and heat/mass transfer on peristaltic transportation "Hyperbolic Tangent" Nanofluid in a Slopping Non-Regular Non-symmetric Channel	Tamara Sh. Ahmed
5	Numerical Solution for Classical Optimal Control Problem Governing by Hyperbolic Partial Differential Equation via Galerkin Finite Element with Gradient and Frank Wolfe Methods	Eman H. Al-Rawdane, Jamil A. Ali Al-Hawasy
6	Inclined Magnetic Field of Porosity Non-uniform Channel on Peristaltic Flow with couple stress and application in medical treatment (Knee Arthritis)	Liqaa Zeki Hummady, Mohammed G. S. AL-Safi



Mathematics Arbor

*Session: B2
Day: Thursday*

*Venue: Dr.Adil G.Naom
Time:8:30
Date:28/2/2019*

*Chair: Dr. Hussein J.AbdulHussein
Co – Chair: Dr. Dahlia Khalid*

<i>g</i>	<i>The research title</i>	<i>The researches</i>
1	Bifurcation in discrete prey-predator model	Sadiq Al-Nassir, Alaa Hussein Lafta
2	Oscillation Criteria for Solutions of Neutral Differential Equations of Impulses Effect with Positive and Negative Coefficients	Hussain Ali Mohamad, Aqeel Falih Jaddoa
3	Global Stability of Cholera Epidemic with General Recovery Rate Involving External Source of Disease	Ahmed Ali Mohsen, Xueyong Zhou
4	Study of a Predator-Prey Model with Modified Ratio-Dependent and Sokol-Howell Functional Response	Safaa Jawad Ali
5	Existence of Relatively Bounded Solutions of First Order Nonlinear Neutral Differential Equations	Hussain Ali Mohamad, Bashar Ahmad Jawad Sharba
6	The Solutions Growth of 2nd order DEs where the Coefficients are Meromorphic belong to Edrei-Fuchs Class	Eman A. Hussein, Ayad W. Ali



Mathematics Arbor

Session: C2
Day: Thursday

Venue: COM.1
Time: 8:30
Date: 28/2/2019

Chair: Dr. Abdulrahman H.Majeed
Co – Chair: Dr. Sahira M. Yaseen

<i>g</i>	<i>The research title</i>	<i>The researches</i>
1	On μ^* -extending modules	Enas Mustafa Kamil , Wasan Khalid
2	Behavior of Visible Submodules in the Class of Multiplication Modules	Buthyna Najad Shihab, Mahmood S. Fiadh
3	On T-extending modules	Bahar H. Al-Bahrani, Entisar A. Al-Dhahari
4	SEMI-T-ABS0 FUZZY SUBMODULES AND SEMI-T-ABS0 FUZZY MODULES	HATAM Y. KHALAF, WAFAA H. HANOON2
5	H-essential Submodules and Homessential Modules	Muna Abbas Ahmed, Tamadher Arif Ibrahiem
6	The Unique Maximal J-Regular Submodule	Rafid M. AL – Shaibani and Nuhad S. AL-Mothafar



Mathematics Arbor

*Session: A3
Day: Thursday*

*Venue :AL-Idressi
Time: 11:00
Date: 28/2/2019*

*Chair: Dr. Fadhel S. Fahdel
Co – Chair: Dr. Tasneem Hassan*

<i>g</i>	<i>The research title</i>	<i>The researches</i>
<i>1</i>	An ADMM for ARMA-State Space Model Estimation via Convex Optimization Using a Nuclear Norm Penalization Approach	Basad Al-Sarray, Stéphane Chrétien
<i>2</i>	On Estimation of $P(Y < X)$ Based on Lomax Distribution	Abbas Najim Salman, Alaa M. Hamad
<i>3</i>	Using Travelling Salesman Principle to Evaluate the Minimum Total Cost of the Iraqi Cities	Sajad Majeed Jassim, Faez Hassan Ali
<i>4</i>	Copulas in Classical Probability Sense	Ahmed AL-Adilee, Zainalabideen Abdual Samad
<i>5</i>	Develop AES Algorithm based on Fuzzy Set Theory	Ali H. kashmar, Ammar I. Shihab, Zaineb L. Abood



Mathematics Arbor

Session :B3
Day: Thursday

Venue: Dr.Adil G.Naom
Time:11:00
Date:28/2/2019

Chair: Dr. Habeeb M. Abood
Co – Chair: Dr. Nuhad Salim Al- Mothafar

<i>g</i>	<i>The research title</i>	<i>The researches</i>
<i>1</i>	Local Fusion Graphs of Double Covers of Certain Mathieu Groups and Their Automorphism Groups HIGHER - ORDER DERIVATIVES	Ali Aubad, Sameer kadem, Hassan Fadhil AL-Husseiny
<i>2</i>	The Number of Spinal-Convex Polyominoes	Eman F. Mohomme and Mustafa Ab Sabri
<i>3</i>	Study of a forwarding chain with respect to operators in the Self-maps sub-category	Fatemah Ayatollah Zadeh Shirazi, Maryam Haghjooyan
<i>4</i>	Some Results on Wiener Indices for a Connected Graph G	Ahmed M. Ali
<i>5</i>	Changes of Tadpole Domination Number Upon Changing of Graphs Domination number	M.Al-Harere, P.A. Khuda Bakhash



Mathematics Arbor

Session: C3
Day: Thursday

Venue: COM.1
Time: 11:00
Date: 28/2/2019

Chair: Dr. Wasan Khalid Hasan
Co – Chair: Dr. Jalal Hatem Hussein

<i>g</i>	<i>The research title</i>	<i>The researches</i>
<i>1</i>	M-Projective Curvature Tensor of Nearly Cosymplectic Manifold	Nawaf J. Mohammed and Habeeb M. Abood
<i>2</i>	ON WEAKER FORMS OF WALC-Spaces	Reyadh Delfi Ali
<i>3</i>	E^h -b-preinvex functions and local E^h -b-preinvex programmings	Ammar Abdulkadhim Enad and Saba Naser Majeed
<i>4</i>	ON ESSENTIAL (T-SMALL) SUBMODULES	Firas sh. Fandi, Sahira M. Yaseen