

<b>Time</b>	<b>Analysis</b> Boardroom I	<b>Number Theory &amp; Algebra</b> Boardroom A-3	<b>Algebra &amp; Combinatorics</b> Cuarto Imelding	<b>Graph Theory</b> Cuarto Mercedes	<b>Statistics &amp; Applied Math</b> El Jardin	<b>Applied Math</b> Boardroom A-4	<b>Math Education</b> Celebrity Ballroom
1300-1315	On the Spectral Properties of Even-Type Differential Expressions with Exponentially Decaying Coefficients in Weighted Spaces  <i>J-M.B. Santos &amp; M.P. Roque</i>	$\theta$ -congruent numbers over $Q\sqrt{m}$ <i>J.V.Caalim</i>	Dual Bases of the Galois Ring $GR(p^r, m)$ over the Residue Class Ring $Z_{p^r}$ <i>V.Sison</i>	On the Edge Steiner Number of a Graph <i>M.B.Fronzoza &amp; S.R. Canoy, Jr.</i>	Estimation of Diagnostic Accuracy Measures for Paired Organs - Application in Ophthalmology <i>A.R. De Leon, A. Soo, D.C. Bonzo &amp; C. J. Rudnisky</i>	A Mathematical Model of the Spread of Malaria in Morong Bataan <i>D.J.L. Indong &amp; R.C.H. Del Rosario</i>	Exploring Mathematical Processes, Metacognition and Cooperative Learning in Mathematical Investigation <i>D.S.Macalino &amp; A.A. Limjap</i>
1320-1335	Methods of Periodic Homogenization and Some Results  <i>E.C. Jose</i>	On Selmer and Tate-Shafarevich Groups of a Family of Elliptic Curves <i>J.T.Dimabayao</i>	Zeta Polynomials of Klemm Codes <i>E.G. Nocon</i>	Edge Geodetic Cover in the $K_r$ -gluing of Complete Graphs and Composition of Graphs <i>R.E. Mariano &amp; S.R. Canoy, Jr.</i>	A Robust Estimation of Spatiotemporal Model in Epidemics <i>R.F. Bastero &amp; E.B. Barrios</i>	Optimal Migration Strategy of Species Foraging on Patchily Distributed Food Sources <i>J.F. Rabajante, R.J.P. Esteves &amp; M.C. Villadelrey</i>	Effects of Metacognitive Strategies in Teaching Mathematics on Students' Analytical, Interpersonal, Intrapersonal, and Comprehension Skills, and Attitude Towards Mathematics <i>L.R. Dillo</i>
1340-1355	Spectrum of a Differential Operator Associated with a Nonuniform Euler-Bernoulli Beam  <i>G.R. Peralta &amp; R.C.H Del Rosario</i>	Elliptic Curve Cryptography over the Eisenstein Integers <i>V.M.Aricheta &amp; F.R. Nemenzo</i>	Structure of Thin Irreducible Modules of a $Q$ -polynomial Distance-Regular Graph <i>D.R. Cerzo</i>	On Forcing Closed Geodetic Numbers of Graphs <i>F.P. Jamil &amp; B.K.V. Daapong</i>	Correlates of Poverty: Evidence from the Community-Based Monitoring System Data <i>R.G. Arcilla, F.F. Co &amp; S.R. Ocampo</i>	Cardiovascular Dynamics during Rest and Exercise Conditions: A Modeling Approach <i>A.V.De Los Reyes V. &amp; F.Kappel</i>	Blended E-Learning: A Strategy for Improving the Mathematics Achievement of Students in a Bridging Program <i>M.J. Acelajado</i>

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1400-1415	An Application of Spectral Collocation Method To Variants of the Black-Scholes Partial Differential Equation <i>E. Escolar</i>	The Descent and Ascent Characteristics of Some Permutation Groups <i>N.A.Baylas IV, D.J.L.Indong, G.R.Peralta &amp; T.A.Rapanut</i>	An Action of the Tetrahedron Algebra on the Standard Module of the Shrikhande Graph <i>J.V.S.Morales</i>	Detectable Colorings of Graph <i>J.A.Albia &amp; R.M. Marcelo</i>	Identification of Probability Distribution: Finger-Printing Method <i>J.E. Teruel, R.N. Padua &amp; E.A.A. Balase</i>	Ranking of Predictor Variables: An Automatic Procedure for Authorship Identification : <i>E.F.Legara, C.Monterola &amp; C. Abundo</i>	Causal Models of Students' Performance in Trigonometry <i>N.I. Prado &amp; C.P. Lelis</i>
1420-1435	One-Dimensional Second-Order Parabolic Differential Equation with Singularity at the Boundary <i>J.M.L. Escaner IV</i>	Digraphs of Unimodal Cycles <i>R.O. Celeste</i>	Non-Existence of $(p^2, p^2, p^2, 1)$ Relative Difference Sets in the Metacyclic Group and the Modular $p$ -Group <i>R.J.Calderon</i>	More on the Vertex Cover of Graphs <i>J.A. Uy</i>	A Bayesian-Markov Process Model <i>C.S. Pagal, D.A. Tarepe &amp; R.N. Padua</i>	A Fuzzy Goal Programming Approach for the Optimal Allocation of Coconut and Jathropa for Biodiesel Production <i>D.S.M. Lutero, E.M. U. Pangué &amp; J.M. Tubay</i>	Senior High School Students' Mathematical Problem Solving Heuristics <i>D.A. Tan &amp; A.A. Limjap</i>
1440-1455	Existence and Uniqueness of Solutions of a Voltera Integro-Differential Equation <i>P.C.F. Ramos &amp; G.R. Peralta</i>	Multiplicity-Free Intransitive Subgroups of the Alternating Groups <i>J.M.P.Balmaceda &amp; R.T. Relator</i>	Fivefold Symmetry in Hyperbolic Crystallography <i>T.A.Rapanut</i>	Hamiltonian Decomposition of Cycle-Power Graphs <i>I.J.L. Garces</i>	Geometric Morphometric Analysis as Inputs to Chernoff Faces in Application to Cluster Analysis <i>J.V.Lorin-Picar, E.A. A. Balase &amp; R.N. Padua</i>	A Road Pricing Model with Nonadditive Route Costs <i>R.P.Agdeppa-Namoco</i>	4MAT System and Traditional Method of Instruction <i>A.L.P. Bordado &amp; M.Dt.Sadia</i>
1500-1515	On Some Curvature Tensors of Generalized Quasi Einstein Manifold <i>R.S.Lemence</i>	On Torsion Free Subgroups of $p32$ <i>E.D.B. Provido, M.L.A.N De las Penas &amp; R.P. Felix</i>	Primality Tests and the $P_m$ Arrays <i>O.D.Consorte &amp; E.L.Tan</i>	Graph Coloring Parameters and the Probability Measure Space <i>R.U. Maquiling &amp; I.J.L. Garces</i>	Some Malpractices on Regression Analysis <i>E.A. Cabanlit, Jr</i>	The Moving-Target Travelling Salesman Problem <i>C.Pilar-Arceo &amp; J.Escano</i>	Phenomenology of Math Teaching <i>M.A. Crudo-Capili</i>

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1520-1600	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>
1600-1615	Amrein-Berthier's Uncertainty Principle <i>R.Z.Mohammad &amp; N.N.Reyes</i>	Finite Just Non-Equilibrated Groups <i>M.G.T. Torres &amp; V.B.Florida</i>	Alternative Proofs of Known Results on Composition of Graphs <i>A.R. Paningbatan &amp; E.L.Tan</i>	On the Vertex Sharing of a Certain Class of Graphs <i>A.P. Racca</i>	On Computing the Entropy of a Time Series and Its Barcodes <i>A.B.C. Balbuena, R.T. Melton, J.A. Nable &amp; V.V. Visaya</i>	Interest Rates Modelling using Morlet and Mexican Hat Wavelets <i>N.R. Barcial &amp; J.M.L. Escaner</i>	Effects of Virtual Learning Environment on the Achievement and Attitude of Students in College Algebra <i>J.P. Gellor</i>
1620-1635	Bernstein-Szego Inequality on a Generalized Sobolev Space <i>J.M.B. Cunanan &amp; N.N. Reyes</i>	On QE-Regular Groups <i>J.P. Vilela &amp; A.T. Paras</i>	Generator Subgraphs of Wheels <i>N.M. Mame &amp; S.V. Gervacio</i>	Cycle-Factorability in Uniform Intersection Graphs <i>T.C.Montero-Galliguez &amp; G.B.Morta-Estrada</i>	Adaptive Blind Random Search <i>M.E.B.Arado &amp; E.A.A Balase</i>	Sensitivity Analysis of a Mathematical Model of Respiration in Halobacterium Salinarum <i>C.O. Taluae, R.C.H. del Rosario &amp; D. Oesterhelt</i>	Evaluating MetaCycle Strategy in Teaching Mathematics as Related to Academic Stress Factors, Mathematics Anxiety Level and Students' Attitude Towards Mathematics <i>D.L. Silva, E.M. Adina &amp; D.A.H. Magcuyao</i>
1640-1655	On the Mathematical Foundations of Persistent Homology and Barcodes <i>J.A.Nable, V.V.Visaya, A.B.C. Balbuena &amp; R.Melton</i>	On the Structures of Metacommutative Rings <i>V.B.Florida, K.H.B.Camino &amp; J.G. Pilongo</i>	On $p, q$ -Difference Operator <i>R.B.Corcino &amp; C.B.Montero</i>	Bound Estimates of the Crossing Number of Fibonacci-class Cubes <i>E.M. Adina, R.M. Dadigan, D.A.H. Magcuyao &amp; D.L.Silva</i>	Autolex: Automatic Frequency Based Lexicon Builder for Tagalog Spelling <i>C.P. Evardone, E.L.C. Buhay, M.J.P. Evardone, H.B. Nocon &amp; D.M.D.Dimalen</i>	Reconstructing Images in Electrical Impedance Tomography Using Hybrid Genetic Algorithms <i>R.G. Mendoza &amp; J.E.C. Lope</i>	Affective and Behavioral Differences Between High and Low Performing Students Using the Assistent Tutoring Systems <i>I.V.T.Dy, F.T. Asinas, Y.Q. Bongalos, M.D.M. Cruz, E.J.C. Langit, L.A. Vea, H.F.G. Villacarlos &amp; M.M.T. Rodrigo</i>

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1700-1715	Super-continuity of Maps in the Product Space <i>M.A.Labendia &amp; S.R. Canoy, Jr.</i>	A Product Eigenvalue Algorithm for Unitary Matrices <i>R.J.A. David</i>	A Generalization of Carlitz Identity and the Combinatorics of $A$ -Tableau <i>C.B. Montero &amp; R.B. Corcino</i>	Forbidden Pairs and q-edge Hamiltonian Graphs <i>A.L. Babierra &amp; R.E. Ramos</i>	An Algorithm for Maximum Benefit Determination of an $n$ -year Term Health Insurance Policy through Utility Maximization <i>L.C. Umali, J. Mamplata, &amp; D.E. Arcueres</i>	Analysis of Bi-Stability in Mathematical Models of Apoptosis <i>J.R.C.G. Damasco, R.C.H. del Rosario &amp; M.P. Roque</i>	Ethno-Mathematical Practices in Marinduque <i>L.M.M. Manos</i>
1720-1735	Lagrange Interpolation on Slowly Increasing Sequences of a Class of Entire Functions <i>L.J.D. Vallejo &amp; N.N. Reyes</i>	On the $\mathcal{O}_s$ Polar Decomposition of Matrices <i>R.J.Dela Cruz &amp; A.T. Paras</i>	An Extension of $U$ -Stirling Numbers <i>K.J.M. Gonzales &amp; M.L. Herrera</i>	Compositions of Complete Bipartite Graph, Double Fan, and Strong Double Fan <i>C.R.P. Canlubo &amp; E.L. Tan</i>	Discrete Annuities and Insurance where Interest Rate follows a Random Walk <i>J. Mamplata &amp; G. Marasigan</i>	Assessing Long-Range Dependence in M/P/2 Queues <i>K.J.E. Carpio</i>	Teaching Mathematics Using Sugboanan Bisaya as the Medium of Instruction <i>J.B. Tirol</i>
1740-1755	On Evaluating Infinite Series via Laplace Transform Technique <i>R.P. Serquina &amp; R.B. Teologia</i>	Canonical Forms for Symplectic Equivalence <i>D.C.P. Pelejo &amp; A.T. Paras</i>	An Asymptotic Approximation of the Generalized Stirling Numbers of the First Kind <i>C.B. Corcino</i>	Tom-Win Graphs and Jerry-Win Graphs <i>S.R. Canoy, Jr.</i>	Conjoint Analysis on the Ideal Carrot Attributes Based on Consumer Preferences <i>M.A.B. Lubrica, D.D. Tagarino, M. Klondy, T. Dagupen, X. Gellynck, J. Viaene, &amp; B. Gumihid</i>	Distance based Methods for Phylogenetic Trees <i>A. Cahoy-Agosto &amp; C.P. Evardone</i>	Indicators of Good Mathematics Lesson and Good Mathematics Teaching Practice <i>A.M. Canonigo &amp; C.P.O. Chan Shio</i>
1800-1815	Functional Inequalities in Various $C^*$ -algebras <i>C. Park</i>	Number of Solutions to a Symmetric Matrix Equation <i>M.N.M. Abara</i>	An Asymptotic Formula for the Generalized Stirling Numbers of the Second Kind <i>R.J. Gasparin &amp; C.B. Corcino</i>	On the $I$ -Integral and $I$ -Differential in Graphs <i>R.L. Caga-anan</i>	Using Copula-Based Monte Carlo Simulation To Calculate Value at Risk <i>E.P. de Lara-Tuprio</i>	Numerical Card Shuffling <i>F.G.P. David</i>	Development and Effectiveness of Microsoft Excel Templates in Elementary Statistics <i>A.B. Tulang</i>