CONTENTS

S. Lakshmi and S. Alamelu	A Mathematical Model of Degradation Path for the Response of Cortisol due to the Effects of Acute Psychological Stress	... 1
A. K. Dubey and A. Narayan	Fixed Points of Operators with Random Solutions in Uniformly Convex Banach Spaces	... 13
A. Adhikari	Effects of Radiative Heat Transfer on MHD Flow in Vertical Porous Slip Boundary	... 19
Kajal Patel, Twinkle Singh and M. N. Mehta	A Note on the Solution of the Burgers' Equation Arising into the Logitudinal Dispersion Phenomenon in Fluid Flow through Porous Media	... 30
Arihant Jain, Bijendra Singh and Mridula Jain	Semi-Compatible Maps and Fixed Points in Non-Archimedean Menger PM-Space	... 38
Arihant Jain, V. H. Badshah and S. K. Prasad	Fixed Point Theorem in Fuzzy Metric Space for Occasionally Weak Compatible Mappings	... 49
K. Bageerathi	Some Weak Forms of Fuzzy $\mathcal{C}$–Semi-Pre Open and Fuzzy $\mathcal{C}$–Semi-Pre Closed Functions	... 57
Pooja Sharma and R. S. Chandel	A Unique Common Fixed Point In $\mathcal{E}$ -Chainable Fuzzy Metric Space Using Absorbing Maps	... 75
Mona Verma and R. S. Chandel	Common Fixed Point Theorems in Intuitionistic Fuzzy Metric Spaces	... 89
H. R. Kataria	Power Series Form for the Equation of Free Surface in The Problem of Ground Water Seepage	... 101
S. S. Thakur and Dinesh Singh Yadav	Fixed Point Theorems for Generalized Contraction Mappings in Complete Fuzzy 3-Metric Space	... 101
K. K. Suresh and M. Kavithamani	Selection of SkSP-V with STDS as Reference Plan Involving Minimum Sum of Risks	... 119
R. Kannan, S. Kavitha and R. Sathiyamoorthi	A Stochastic Approach to Determine The Expected Time to Seroconversion of HIV Infected Using Order Statistics	... 131
Pravanjan Kumar Rana	A New Representation of Homology Groups	... 143
Deshna Loonker and P. K. Banerji	Applications of Natural Transform to Differential Equations	... 151
Yogesh Sharma	Inversion Formula for Fractional Integral Operator of Matrix Argument Involving Jacobi Polynomials	... 159
H. M. Srivastava	Some τ-Extensions of Higher Transcendental Functions	... 165
Satya Prakash Singh	On Summation Formulae for Q-Series	... 177
Book Review	Famous Algebraists of the World (In Hindi) by *Mahesh Dube*, Published by: National Book Trust, Nehru Bhawan, 5, Institutional Area Phase II, Vasant Kunj, New Delhi – 110 070, India.	... 185

CONTENTS

P. V. Arunachalam	Paul Erdős – A Centenary Tribute	... 189
महेश दुबे	जिनके पास सपने हैं, उन्ही के पास सच भी आएगा: पॉल इरडोश	... 199
J. Mahipal and S. Sundar	Enforcing the Discrete Maximum Principle for Finite Difference Solutions of Coherence Enhancing Diffusion	... 209
R. Ponraj and S. Sathish Narayanan	Further Results on Difference Cordial Labeling of Graphs	... 217
Pon. Sundar and B. Kishor Kumar	Oscillation Criteria for Even Order Nonlinear Neutral Difference Equations	... 237
R. K. Saxena, Jitendra Daiya and Dinesh Kumar	Fractional Integration of the $\overline{H}$ -Function and a General Class of Polynomials via Pathway Operator	... 261
L. Shambhu Singh, Th. Chhatrajit Singh	Fixed Point Theorems of Self-Mappings in Incomplete Metric Spaces Using Semi-Compatibility	... 275
Q. H. Khan, and Suhel Ahmad Khan	Some Fixed Point Theorem in Metric Spaces	... 287
Archana Pawar	Contra Pairwise β-Closed Graph in Bi-Topological Spaces	... 295
Sandeep Kumar Tiwari and Uttam Upadhyay	On Degree of Approximation of Functions Belonging to $W(L^p, \xi(t))$ Class by $(N, p_n, q_n)(C,1)$ Product Means of its Fourier Series	... 305
Umesh Moudgil, M. P. Singh and Rajendra Kumar	Torsional Body Force in a Visco-Elastic Half–Space	... 317
Sandeep KumarTiwari and Uttam Upadhyay	On Degree of Approximation of Conjugate of a Functions Belonging to $W(L_r, \xi(t))$ Class by Product Summability Means of Conjugate Series of Fourier series	... 325
S. Lakshmi, and A. Manickam	Entropy–Based Measure of Uncertainty for Growth Hormone Secretory Burst and Amplitude During a Two-Day Fast in Normal Men	... 341
Index	The Journal of Indian Academy of Mathematics, Vol. 35(1 & 2)	