

CONTENTS

1. **An Algorithm for Multi Objective Integer Nonlinear Fractional Programming Problem under Fuzziness**
Omar M. Saad, Mohamed Sh. Biltagy
and Tamer B. Faragpp. 1-17
2. **A Two Sided Multiplication Operator Norm**
N. B. Okelo and J. O. Agurepp. 18-23
3. **Frames, Riesz Bases and Double Infinite Matrices**
Devendra Kumarpp. 24-31
4. **On a Particular Condition for Regular Coequality Relations**
D.A. Romanopp. 32-39
5. **A Class of inequalities on Matrix Norms and Applications**
Feixiang Chen and Zhanfei Zuopp. 40-44
6. **On Summability of the Series Involving Exton's Quadruple Hypergeometric Function K_{12} .**
Hemant Kumar and Priyanka Yadavpp. 45-54
7. **On Common Fixed Point Theorem In Complete Metric Space**
Jay G. Mehta and M. L. Joshipp. 55-63
8. **On Fuzzy h-Ideals in h-Regular Γ - hemiring and h-duo Γ - hemiring**
S. K. Sardar and D. Mandalpp. 64-85
9. **Application of Sumudu Transform in Fractional Kinetic Equations**
V.B.L. Chaurasia and Jagdev Singhpp. 86-95

(CONTINUED)

CONTENTS (CONTINUATION)

=====

10. **Clifford Group Dipoles and the Enactment of Weyl/Coxeter Group $W(E_8)$ by Entangling Gates**
Michel Planatpp. 96-113
11. **Monotonicity of Functions Involving Generalization Gamma Function**
Valmir Krasniqi and Faton Merovcipp. 114-118
12. **An Omitting Types Theorem in Finite Schematizable Algebraic Logic**
Tarek Sayed Ahmedpp. 119-127
13. **Numerical Solution of Eighth Order Boundary Value Problems with Variational Iteration Method**
Mehdi Gholami Porshokouhi, Behzad Ghanbari,
Mohammad Gholami and Majid Rashidipp. 128-133
14. **Some Growth Properties of Entire Functions Represented by Vector Valued Dirichlet Series in Two Variables**
G. S. Srivastava and Archana Sharmapp. 134-142
15. **Variational Iteration Method for Solving Volterra and Fredholm Integral Equations of the Second Kind**
Mehdi Gholami Porshokouhi, Behzad Ghanbari
and Majid Rashidpp. 143-148

(CONTINUED)

=====

CONTENTS (CONTINUATION)

=====

- 16. A Note on Convergence in Normed Hypervector Spaces**
Sanjay Roy and T.K. Samantapp. 149-158
- 17. Approach Spaces for Near Families**
James F. Peters and S. A. Naimpallypp. 159-164
- 18. $(1,2)^*$ -pre-cap-Sets and $(1,2)^*$ -pre-cup-Sets**
M. Lellis Thivagar and Nirmala Mariappanpp. 165-174
- 19. Involute Curve of the Biharmonic Curve in the Special Three-Dimensional Kenmotsu Manifold K with η -Parallel Ricci Tensor**
Talat Körpınar, Essin Turhan and
Iqbal H. Jebrilpp. 175-185
- 20. Neighborhoods of Certain Class of Analytic Functions of Complex Order with Negative Coefficients**
Abedshakor S. Teimpp. 186-197
- 21. Not all Epimorphisms are Surjective in the Class of Diagonal Cylindric Algebras**
Tarek Sayed Ahmedpp. 198-208

(CONTINUED)

=====

CONTENTS (CONTINUATION)

=====

22. **A Study of First-order Disturbance of the Second Order Approximation of a Vectorial Function with Application in Engineering other and Sciences**
Cristina Tănăsescu and Amelia Bucurpp. 209-220
23. **An Analytic Approach for Some Equations Arising in Heat Transfer in a Quiescent Medium with Exponential Nonlinearities**
Behzad Ghanbari and Mehdi Gholami Porshokouhipp. 221-231
24. **$(i; j)$ - ξ -Open Sets in Bitopological Spaces**
Alias B. Khalaf and Haji M. Hasanpp. 232-243
- =====