

CONTENTS

Nikola Adžaga, Alan Filipin and Ana Jurasić The extensibility of the Diophantine triple $\{2, b, c\}$	5
C. A. Castillo-Guillén, C. Álvarez-García Self dual, reversible and complementary duals constacyclic codes over finite local Frobenius non-chain rings of length 5 and nilpotency index 4	25
Mehdi Badie Notes on the zero-divisor graph and annihilating-ideal graph of a reduced ring	51
E.A. Bakare, B.O. Onasanya, S. Hoskova-Mayerova O. Olubosede Analysis of Control Interventions against Malaria in communities with Limited Resources	71
Attila Bérczes, Maohua Le, István Pink, and Gökhan Soydan A note on the ternary Diophantine equation $x^2 - y^{2m} = z^n$	93
Chao Wang, Zhien Li and Ravi P. Agarwal Fundamental solution matrix and Cauchy properties of quaternion combined impulsive matrix dynamic equation on time scales	107
Silvestru Sever Dragomir Two Points Taylor's Type Representations for Analytic Complex Functions with Integral Remainders	131
Faiz Muhammad Khan and Violeta Leoreanu-Fotea A Benchmark Generalization of Fuzzy Soft Ideals in Ordered Semigroups	155
F.A.A. Almahdi, M. Bouba, M. Tamekkante On weakly S -prime ideals of commutative rings	173
T. Glavosits and Zs. Karácsony Sums and products of intervals in ordered semigroups	187

Armen Grigoryan, Szymon Ignaciuk and Maciej Parol A Generalization of Archimedes' Theorem on the Area of a Parabolic Segment	199
Manpal Singh, S. Das, Rajeev and E-M. Craciun Numerical solution of two-dimensional nonlinear fractional order reaction-advection-diffusion equation by using collocation method	211
Sajad Ranjbar Strong convergence to a solution of the inclusion problem for a finite family of monotone operators in Hadamard spaces	231
Sorina-Cezarina Sfetcu Varma Quantile Entropy Order	249
Chang-Jian Zhao and Mihály Bencze L_p -dual three mixed quermassintegrals	265