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. Karácsy
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