



CONTENTS

Alireza Amini-Harandi, Mahdi Goli, and Hamid Reza Hajisharifi
A fixed point theorem for generalized nonexpansive mappings 1117

Enes Ata
On the new fractional operators generating modified gamma and beta functions 1127

Merve Avcı Ardiç, Havva Kavurmacı Önalın, Ahmet Ocak Akdemir, and Anh Tuan Nguyen
New approaches for m -convex functions via fractional integral operators with strong kernels 1145

Gülhan Ayar and Mehmet Akif Akyol
New curvature tensors along Riemannian submersions 1161

Abdullah Aydın
Statistically unbounded p -convergence in lattice-normed Riesz spaces . . . 1185

Hamid Beddani, Moustafa Beddani, and Zoubir Dahmani
An existence study for a tripled system with p -Laplacian involving φ -Caputo derivatives 1197

István Blahota
Approximation by a special de la Vallée Poussin type matrix transform mean of Walsh-Fourier series 1213

Oleksandr Boichuk, Dmytro Bihun, and Oleksandr Pokutnyi
 ν, μ dichotomy and bounded solutions of differential equations 1223

Ghazala Gulshan, Hüseyin Budak, Rashida Hussain, Asad Sadiq, and Pınar Kösem
On new version of Hermite-Jensen-Mercer inequalities for newly defined quantum integral 1235



CONTENTS

Hüseyin Budak and Hasan Kara
On quantum Hermite-Jensen-Mercer inequalities 1247

Huanyin Chen and Marjan Sheibani
Block representations for the g -Drazin inverse in Banach algebras 1259

Dragos-Patru Covei
Existence theorems for equations and systems in R^N with k_i -Hessian operator 1273

S. Deniz, F. Özger, Z. Ö. Özger, S. A. Mohiuddine, and M. T. Ersoy
Numerical solution of fractional Volterra integral equations based on rational Chebyshev approximation 1287

Zhibin Du and Carlos M. da Fonseca
The determinants of certain double banded $(0, 1)$ Toeplitz matrices 1307

Hajar EL Mir, Badr Nejjar, and Lahcen Oukhtite
On traces of permuting n -derivations on prime ideals 1317

Hajar El Mir, Abdellah Mamouni, and Lahcen Oukhtite
Additive mappings satisfying certain algebraic equations in prime rings . . 1329

Hiranmoy Garai, Pratikshan Mondal, and Lakshmi Kanta Dey
On Common fixed point results via implicit relations 1337

Ayazul Hasan
Characterizations of generalized submodules of QTAG-modules 1351

Ahmed Mohamed Hassan and Samy Affan
New oscillation criteria for second-order delay dynamic equations with a sub-linear negative neutral term on time scales 1361



CONTENTS

Fatih Hezenci and Huseyin Budak

New generalizations of some important inequalities for Sarikaya fractional integrals 1377

İmdat İşcan

Construction of a new class of functions with their some properties and certain inequalities: n -fractional polynomial convex functions 1389

Dilek Karakaya, Yasin Yazlik, and Merve Kara

On a solvable system of difference equations of sixth-order 1405

Wende Li, Jianlong Chen, Yukun Zhou, and Yuanyuan Ke

Pseudo core invertibility and DMP invertibility in two semigroups of a ring with involution 1427

Naim Braha, Valdete Loku, and Ram Mohapatra

Tauberian theorems for Nörlund-Cesáro mean via statistically convergence in m -Normed spaces 1439

Bilel Meftih

On the existence of solutions for an infinite system of integral equations . . 1453

Celil Nebiyev and Hilal Başak Özdemir

\oplus - g -Radical supplemented modules 1469

Anju Panwar, Pinki Lamba, Vladimir Rakočević, and Dhananjay Gopal

New fixed point results of some enriched contractions in CAT(0) spaces . . 1477

Ramasamy Saravanakumar and Hemen Dutta

State estimation of memristor-based stochastic neural networks with mixed variable delays 1495



CONTENTS

Arpan Sardar and Uday Chand De
Conformal vector fields on $N(k)$ -paracontact and para-Kenmotsu manifolds 1515

Shagun Sharma and Sumit Chandok
Convergence, optimal points and applications 1527

**Jaraldpushparaj Simon, Gnanaprakasam Britto Antony Xavier, Sina Etemad,
and Shahram Rezapour**
Mittag-Leffler function for real index and its application in solving differ-
ence and differential equations 1541

**Thanin Sitthiwiratham, Muhammad Aamir Ali, Asghar Ali, and Hüseyin Bu-
dak**
A new q -Hermite-Hadamard's inequality and estimates for midpoint type
inequalities for convex functions 1555

Sanjiv Subba and Tikaram Subedi
NJ-semicommutative Rings 1569

**Adeolu Taiwo, Timilehin Opeyemi Alakoya, Lateef Olakunle O. Jolaoso, and Oluwatosin
Temitope Mewomo**
Viscosity S-iteration algorithm for finding common fixed point of nonex-
pansive mappings and application to nonexpansive semigroups . . . 1581

Abbas Kareem Wanas and Páll-Szabó Ágnes Orsolya
Applications of Horadam polynomials on a new family of bi-prestarlike
functions 1605

Milan Lj. Zlatanović, Miloš Z. Petrović, and Miroslav D. Maksimović
Curvature properties of projective semi-symmetric linear connections . . 1615