

CONTENTS

Jensen type inequalities and their applications via fractional integrals BY SADEGH ABBASZADEH, ALI EBADIAN AND MOHSEN JADDI	2459
A new blow-up criterion for non-Newton filtration equations with special medium void BY YUZHU HAN	2489
Finite atomic lattices and their monomial ideals BY PENG HE AND XUE-PING WANG	2503
Eigenvalues of some $p(x)$ -biharmonic problems under Neumann boundary conditions BY MOUNIR HSINI, NAWAL IRZI AND KHALED KEFI	2543
Invariant sets for QMF functions BY ADAM JONSSON	2559
The heat equation for local Dirichlet forms: Existence and blow up of nonnegative solutions BY TAREK KENZIZI	2573
The Cauchy problem for the degenerate convective Cahn-Hilliard equation BY AIBO LIU AND CHANGCHUN LIU	2595
On vertex decomposable and Cohen-Macaulay regular graphs BY J. LUVIANO AND E. REYES	2625
On the roots of the generalized Rogers-Ramanujan function BY PABLO A. PANZONE	2653
Weighted persistent homology BY SHIQUAN REN, CHENGYUAN WU AND JIE WU	2661
Torsion of elliptic curves over imaginary quadratic fields of class number 1 BY NABA KANTA SARMA AND ANUPAM SAIKIA	2689

CONTENTS CONTINUED ON LAST PAGE

Non-linear λ -Jordan triple $*$ -derivation on prime $*$ -algebras BY A. TAGHAVI, M. NOURI, M. RAZEGHI AND V. DARVISH	2705
Asymptotic behavior of positive solutions of the Hénon equation BY BIAO WANG AND ZHENGCE ZHANG	2717
Existence and roughness of nonuniform (h, k, μ, ν) -trichotomy for nonautonomous differential equations BY CHUNMEI ZHANG, MENG FAN AND JIMIN ZHANG	2751
Remarks on regularity criteria for the 2D generalized MHD system in Besov spaces BY ZUJIN ZHANG	2785
Index	2797