

Contents

M. AKKOUCHI: Some fixed and common fixed point theorems connected to a result of M. S. Khan, M. Swaleh and S. Sessa	129–138
M. AKKOUCHI: Fixed point theorems using diameters of level sets and the notion of r.g.i. mapping	621–628
M. AKKOUCHI: Utility functions associated to relatively invariant measures on partially ordered locally compact groups	865–871
M. AKKOUCHI, A. BOUNABAT: Study of a class of nonlinear perturbed optimal control systems	139–146
F. M. AL-BOUDI, M. M. HIDAN: Disproof of an inclusion relation of classes related to spirallike functions	267–271
S. ALI, R. NIVAS, S. K. SRIVASTAVA: see R. NIVAS, S. ALI, S. K. SRIVASTAVA	
Ş. ALPAY, A. UYAR: On local approximation of positive operators	607–620
M. H. ARMANIOUS: Commutative loops of exponent 3 with $x \cdot (x \cdot y)^2 = y^2$	469–475
C. BARDARO, J. MUSIELAK, G. VINTI: On nonlinear integral equations in some function spaces	583–592
N. BENOUHIBA, A. DJELLIT: see A. DJELLIT, N. BENOUHIBA	
L. BERAN, M. SAARIMÄKI: Lattices respecting convex decompositions, I	217–224
L. BERAN, M. SAARIMÄKI: Lattices respecting convex decompositions, II	455–460
L. BHATT, K. K. DUBE: On CR -submanifold of nearly and closely para cosymplectic manifolds	405–413
D. BLEZU, N. N. PASCU: Some univalence criteria	31–34
K. BOBECKA, K. DANIELAK, E. Z. FERENSTEIN: On optimal stopping of a discrete time risk process	423–432
J. BOCHENEK: An abstract second order Cauchy problem with non-densely defined operator, II	293–302
F. BOGOWSKI, A. WESOŁOWSKI: The construction of a certain quasiconformal extension of the functions defined in the unit disc, on the closed plane	509–520
A. BOUNABAT, M. AKKOUCHI: see M. AKKOUCHI, A. BOUNABAT	
T. BULBOACĂ: Classes of first-order differential superordinations	287–292
P. CERONE: Difference between weighted integral means	251–265
I. CHAJDA, R. HALAŠ: Order algebras	1–10
S. S. CHENG, H.-F. HUO, W.-T. LI: see H.-F. HUO, W.-T. LI, S. S. CHENG	
J. W. CHOLEWA, T. DŁOTKO, A. W. TURSKEI: Asymptotics of pseudodifferential parabolic equations	75–91
J. K. CHUNG, P. K. SAHOO: General solution of some functional equations related to the determinant of some symmetric matrices	539–544
R. CIARSKI: Stability of difference equations generated by quasilinear differential functional problems	557–571

A. C. ÇÖKEN, A. GÖRGÜLÜ: On the dual Darboux rotation axis of the dual space curve	385–390
M. CRĂȘMĂREANU, S. S. DRAGOMIR: $2k$ -inner products in real linear spaces	645–656
İ. DAĞADUR: C_λ -conull FK-spaces	835–848
K. DANIELAK, K. BOBECKA, E. Z. FERENSTEIN: see K. BOBECKA, K. DANIELAK, E. Z. FERENSTEIN	
B. DE MALAFOSSE: Recent results in the infinite matrix theory, and application to Hill equation	11–26
A. DE SIMONE, M. NAVARA, P. PTÁK: The Vitali–Hahn–Saks theorem for the product of quantum logics	717–725
F. DEFEVER, R. DESZCZ, M. GŁOGOWSKA, V. V. GOLDBERG, L. VERSTRAELEN: A class of four-dimensional warped products	853–864
K. DEMIRCI: On lacunary statistical limit points	93–101
B. DESHPANDE, S. SHARMA: see S. SHARMA, B. DESHPANDE	
R. DESZCZ, F. DEFEVER, M. GŁOGOWSKA, V. V. GOLDBERG, L. VERSTRAELEN: see F. DEFEVER, R. DESZCZ, M. GŁOGOWSKA, V. V. GOLDBERG, L. VERSTRAELEN	
A. DJELLIT, N. BENOUHIBA: Existence and uniqueness of positive solution of a semilinear elliptic equation in $\mathbb{R}^n$	61–73
T. DŁOTKO, J. W. CHOLEWA, A. W. TURSKI: see J. W. CHOLEWA, T. DŁOTKO, A. W. TURSKI	
S. S. DRAGOMIR, M. CRĂȘMĂREANU: see M. CRĂȘMĂREANU, S. S. DRAGOMIR	
J. DRONKA, L. RYBARSKA-RUSINEK: The asymptotic stochastic stability in large of finite interconnected systems	915–925
K. K. DUBE, L. BHATT: see L. BHATT, K. K. DUBE	
Z. DUDEK: Computing equivalent tabular functions	685–697
M. DUDZIŃSKI: An almost sure maximum limit theorem for certain class of dependent stationary Gaussian sequences	879–890
A. DVUREČENSKIJ: Test spaces, pseudo-effect algebras, and tensor product of pseudo-effect algebras	699–715
J. EWERT: On cliquishness of maps of two variables	657–670
E. Z. FERENSTEIN, K. BOBECKA, K. DANIELAK: see K. BOBECKA, K. DANIELAK, E. Z. FERENSTEIN	
B. FISHER: The delta function and the composition of distributions	117–123
K. GAJEWSKA-KURDZIEL, K. MRUCZEK: On some sets of identities satisfied in Abelian groups	447–453
M. GANSTER, S. JAFARI, G. B. NAVALAGI: On semi-g-regular and semi-g-normal spaces	415–421
M. GŁOGOWSKA, F. DEFEVER, R. DESZCZ, V. V. GOLDBERG, L. VERSTRAELEN: see F. DEFEVER, R. DESZCZ, M. GŁOGOWSKA, V. V. GOLDBERG, L. VERSTRAELEN	
Ö. GÖK: On reflexivity of $m(C(K))$	125–128
V. V. GOLDBERG, F. DEFEVER, R. DESZCZ, M. GŁOGOWSKA, L. VERSTRAELEN: see F. DEFEVER, R. DESZCZ, M. GŁOGOWSKA, V. V. GOLDBERG, L. VERSTRAELEN	
A. GÖRGÜLÜ, A. C. ÇÖKEN: see A. C. ÇÖKEN, A. GÖRGÜLÜ	
M. GRANDE: On the sums of unilaterally continuous jump functions	743–748

V. C. GUPTA, C. S. PRASAD: see C. S. PRASAD, V. C. GUPTA	
R. HALAŠ, I. CHAJDA: see I. CHAJDA, R. HALAŠ	
G. HERZOG, R. LEMMERT: Universal elements for families of discontinuous mappings	199–204
G. HERZOG, R. LEMMERT: On Riccati equations in ordered Banach algebras	783–790
M. M. HIDAN, F. M. AL-OBOUDI: see F. M. AL-OBOUDI, M. M. HIDAN	
Ľ. HORANSKÁ: Note on sectioning of some vector bundles	205–210
H.-F. HUO, W.-T. LI, S. S. CHENG: Periodic solutions of two-species diffusion models with continuous time delays	433–446
N. B. HUY, T. D. THANH: Global continua of positive solutions for some boundary value problems	303–311
M. IVAN: A note on a Cauchy-type mean value theorem	493–494
D. JABŁOŃSKI: Dynamical properties of finite type subshifts generated by a sum of $(0, 1)$ -square matrices	891–897
S. JAFARI, M. GANSTER, G. B. NAVALAGI: see M. GANSTER, S. JAFARI, G. B. NAVALAGI	
S. KHAN, M. A. PATHAN: see M. A. PATHAN, S. KHAN	
L. A. KHAN, A. B. THAHEEM: Operator-valued multiplication operators on weighted function spaces	599–605
H. S. KIM, Y. H. KIM: see Y. H. KIM, H. S. KIM	
Y. H. KIM, H. S. KIM: Quotient structure of BCI -algebras via fuzzy ideals	461–467
M. A. KŁOPOTEK: A new space-saving Bayesian tree construction method for high dimensional data	671–684
I. KUBIACZYK, S. H. SAKER: New oscillation criteria of first order delay differential equations	313–324
I. KUBIACZYK, S. H. SAKER: Oscillation of parabolic delay differential equations	791–802
R. LEMMERT, G. HERZOG: see G. HERZOG, R. LEMMERT	
D. LESEBERG: Ordered continuity structures and their relationship to topology	175–197
W.-T. LI, H.-F. HUO, S. S. CHENG: see H.-F. HUO, W.-T. LI, S. S. CHENG	
M. LISKOWSKI: Integral of function with values in complete modular space	347–356
K. MAHALINGAM, E. THANDAPANI: see E. THANDAPANI, K. MAHALINGAM	
N. MATZAKOS, N. S. PAPAGEORGIOU: Periodic solutions for evolution inclusions with time-dependent subdifferentials	521–538
S. MECHERI: Finite operators	357–366
A. A. MEHEMED: An application of Kwapien's theorem to the investigation of the structure of L_0 -space	593–598
A. MIERNOWSKI, W. MOZGAWA: Geometry of t -projective structures	391–403
W. M. MIKULSKI: Liftings of vector fields to $(J^r T^{*,a})^*$	211–216
A. K. MOHANTY, J. PATEL: see J. PATEL, A. K. MOHANTY	
S. P. MOSHOKOA: The Hausdorff metric and its extensions	233–241
W. MOZGAWA, A. MIERNOWSKI: see A. MIERNOWSKI, W. MOZGAWA	
K. MRUCZEK, K. GAJEWSKA-KURDZIEL: see K. GAJEWSKA-KURDZIEL, K. MRUCZEK	
G. M. MUMINOV: On the zeros of solutions of the differential equation $\omega^{(2m)} + p(z)\omega = 0$	41–48

J. MUSIELAK, C. BARDARO, G. VINTI: see C. BARDARO, J. MUSIELAK, G. VINTI	
G. B. NAVALAGI, M. GANSTER, S. JAFARI: see M. GANSTER, S. JAFARI, G. B. NAVALAGI	
M. NAVARA, A. DE SIMONE, P. PTÁK: see A. DE SIMONE, M. NAVARA, P. PTÁK	
H. T. NGUYỄN: On the sequential strong-weak closedness of the Nemytskij multivalued operator	367–374
R. NIVAS, S. ALI, S. K. SRIVASTAVA: On horizontal and complete lifts of $(1, 1)$ tensor fields F satisfying the structure equation $a_n F^n + a_{n-1} F^{n-1} + a_{n-2} F^{n-2} + \dots + a_2 F^2 + a_1 F = 0$	155–163
B. G. PACHPATTE: A note on Ostrowski type inequalities	27–30
B. G. PACHPATTE: On certain integral inequalities and their discrete analogues	243–250
V. PAMBUCCIAN: A universal axiom system for Salow's generalized Halbdrehungsebenen	849–851
N. S. PAPAGEORGIOU, N. MATZAKOS: see N. MATZAKOS, N. S. PAPAGEORGIOU	
N. S. PAPAGEORGIOU, F. PAPALINI: see F. PAPALINI, N. S. PAPAGEORGIOU	
F. PAPALINI, N. S. PAPAGEORGIOU: On the solution set of a vector Duffing equation	763–772
N. N. PASCU, D. BLEZU: see D. BLEZU, N. N. PASCU	
J. PATEL, A. K. MOHANTY: Some properties of a class of analytic functions	273–286
J. PATEL, P. SAHOO: Properties of a class of analytic functions involving a linear operator	495–507
J. PATEL, P. SAHOO: Some applications of differential subordination to a class of analytic functions	749–762
M. A. PATHAN, S. KHAN: Generating relations involving hypergeometric functions by means of integral operators	35–39
R. F. PATTERSON: Characterization for the limit points of stretched double sequences	103–109
M. PISZCZEK: Integral representations of convex and concave set-valued functions	727–742
J. A. POMYKAŁA: Similarity in relational databases and in information systems theory	927–953
T. POREDA, A. SZADKOWSKA: The Cauchy problem for certain generalized differential equations of second order	773–782
M. POWIERSKA: On smoothness and approximation properties of the Kantorovich type operators	821–834
C. S. PRASAD, V. C. GUPTA: Integrability conditions of $F_\alpha(K-1)$ -structure satisfying $F^K - a^2 F = 0$	147–153
D. PRZEWORSKA-ROLEWICZ: Multidimensional Riemann–Hilbert type problems in Leibniz algebras with logarithms	629–644
P. PTÁK, A. DE SIMONE, M. NAVARA: see A. DE SIMONE, M. NAVARA, P. PTÁK	
K. CH. RAO, T. M. SINGARAVEL: On matrices of Mazur type on rate spaces	339–346
L. RYBARSKA-RUSINEK, J. DRONKA: see J. DRONKA, L. RYBARSKA-RUSINEK	

M. SAARIMÄKI, L. BERAN: see L. BERAN, M. SAARIMÄKI	
P. K. SAHOO, J. K. CHUNG: see J. K. CHUNG, P. K. SAHOO	
P. SAHOO, J. PATEL: see J. PATEL, P. SAHOO	
S. H. SAKER, I. KUBIACZYK: see I. KUBIACZYK, S. H. SAKER	
CH. SCHMOEGER: On logarithms of linear operators on Hilbert spaces . . .	375–384
S. SHARMA, B. DESHPANDE: Common fixed points of compatible maps of type (β) on fuzzy metric spaces	165–174
A. SIKORSKA-NOWAK: Retarded functional differential equations in Banach spaces and Henstock-Kurzweil integrals	49–60
T. M. SINGARAVEL, K. CH. RAO: see K. CH. RAO, T. M. SINGARAVEL	
W. SMAJDOR: Entire solutions of a functional equation of Pexider type . . .	573–582
Z. ŠMARDA: On an initial value problem for singular integro-differential equations	803–811
S. K. SRIVASTAVA, R. NIVAS, S. ALI: see R. NIVAS, S. ALI, S. K. SRIVAS- TAVA	
A. SZADKOWSKA, T. POREDA: see T. POREDA, A. SZADKOWSKA	
A. B. THAHEEM, L. A. KHAN: see L. A. KHAN, A. B. THAHEEM	
E. THANDAPANI, K. MAHALINGAM: Oscillatory properties of third order neutral delay difference equations	325–337
T. D. THANH, N. B. HUY: see N. B. HUY, T. D. THANH	
M. TIMOUMI: On the multiplicity of periodic solutions of an Hamiltonian system	899–913
T. TRIF: On the superstability of certain functional equations	813–820
A. W. TURSKI, J. W. CHOLEWA, T. DŁOTKO: see J. W. CHOLEWA, T. DŁOTKO, A. W. TURSKI	
A. UYAR, Ş. ALPAY: see Ş. ALPAY, A. UYAR	
M. VÂJĂITU, A. ZAHARESCU: Character sums and pair correlations . . .	225–232
D. VÂLCAN: Abelian groups with the direct summand sum property	477–491
L. VERSTRAELEN, F. DEFEVER, R. DESZCZ, M. GŁOGOWSKA, V. V. GOLDBERG: see F. DEFEVER, R. DESZCZ, M. GŁOGOWSKA, V. V. GOLDBERG, L. VERSTRAELEN	
G. VINTI, C. BARDARO, J. MUSIELAK: see C. BARDARO, J. MUSIELAK, G. VINTI	
A. WESOŁOWSKI, F. BOGOWSKI: see F. BOGOWSKI, A. WESOŁOWSKI	
A. WIŚNIEWSKI: Measurable linear operators induced by stochastic processes	873–878
Ş. YARDIMCI: σ -core for real bounded sequences	111–116
A. ZAHARESCU, M. VÂJĂITU: see M. VÂJĂITU, A. ZAHARESCU	
B. ZHANG, Y. ZHOU: see Y. ZHOU, B. ZHANG	
Y. ZHOU, B. ZHANG: Comparison theorems for the oscillation of higher order neutral delay difference equations	545–555

The following individuals have acted as referees of the articles published in this volume:

I. Adamek, J. Albrycht, G. Anastassiou, P. Antosik, J. Banaś, W. Barthel, G. Bennett,
P. Biler, A. Borzyskowski, N. Brillouet-Belluot, A. Buraczewski, K. Chelmiński,

T.S. Chew, J. Connor, S. Czerwik, T. Dłotko, J. Dontchev, W.A. Dudek, A. Dvurecenskij, J. Ewert, Z. Grande, K.G. Grosse-Erdmann, S. Gudder, G. Harman, J. Henderson, M. Hotłoś, R. Jajte, J. Jakubowski, A. Janik, J. Kacprzyk, Z. Kamont, T. Keagy, W.A. Kirk, M. Kisielewicz, I. Kolář, I. Kopocińska, I. Kubiaczyk, P. Kustmann, V. Lakshmikantham, H. Laenger, A. Lasota, O. Macedońska, J. Madey, W. Majchrzak, R. Mazur, S. Midura, J. Morchało, T. Morimoto, W. Mozgawa, P. Multarzyński, J. Musielak, K. Napiórkowski, B. Nowak, A. Obtułowicz, Z. Pasternak-Winiarski, E.M. Patterson, K.M. Przyłuski, T. Regińska, L. Rempulska, B. Roszkowska-Lech, R. Rudnicki, K. Rudol, S. Rybicki, J. Samsonowicz, E. Scheffold, B. Skalmierski, K. Skórnik, M. Skwarczyński, J. Stankiewicz, K. Szajowski, B. Szmanda, J. Szynal, E. Wachnicki, A. Waszak, K. Witczyński.

The editor expresses them his sincere thanks for their advice and collaboration.