

PanAmerican Mathematical Journal

Volume 1	Numbers 1 - 4	1991
Volume 2	Numbers 1 - 4	1992
Volume 3	Numbers 1 - 4	1993
Volume 4	Numbers 1 - 4	1994
Volume 5	Numbers 1 - 4	1995
Volume 6	Numbers 1 - 4	1996
Volume 7	Numbers 1 - 4	1997
Volume 8	Numbers 1 - 4	1998
Volume 9	Numbers 1 - 4	1999
Volume 10	Numbers 1 - 4	2000
Volume 11	Numbers 1 - 4	2001
Volume 12	Numbers 1 - 4	2002
Volume 13	Numbers 1 - 4	2003

Volume 14

Number 1

January 2004

- * First-order necessary optimality conditions for nonlinear control problems, **M. D. Voisei** (01-44)
- * Convergence theorems of modified three-step iterative sequences with mixed errors for asymptotically quasi-nonexpansive mappings in Banach spaces, **J. K. Kim, K. H. Kim and K. S. Kim** (45-54)
- * On common fixed points iteration processes for generalized asymptotically contractive and generalized hemi-contractive mappings, **J. C. Huang** (55-67)

- * A mesh independence principle for equations and their discretizations using Lipschitz and center Lipschitz conditions, **Ioannis K. Argyros** (69-81)
- * First-order recurrence relations on isolated time scales, **Evan Merrell, Rachel Ruger and Janna Severs** (83-104)
- * On existence and asymptotic behavior of solutions of infinite systems of differential equations, **J. Banas and B. Rzepka** (105-115)

Volume 14

Number 2

April 2004

An algebraic theory of $m \times n$ - polypodic structures

✚ GEORGE DANAS (01-17)

Boundedness of multilinear singular integral operators with rough kernel on Herz-type spaces

✚ DUNYAN YAN and DENG FENG LI (19-35)

On a subclass of analytic functions involving the Owa-Srivastava fractional calculus operators

✚ JAE HO CHOI (37-48)

Approximation of solutions of variational inequalities for monotone mappings

✚ H. IIDUKA, WATARU TAKAHASHI and M. TOYODA (49-61)

On Acz 1's inequality in 2-inner product spaces with applications

✚ I. BRNETIĆ, Y. J. CHO, S. K. KIM and J. PEČARIĆ (63-74)

Some convergence theorems for Newton's method involving center-Lipschitz conditions

✚ IOANNIS K. ARGYROS (75-83)

Short-term asymptotics of the heat kernel on bounded domain with piecewise smooth boundary conditions and applications to an ideal gas

✚ E. M. E. ZAYED

85-106

Volume 14

Number 3

July 2004

Higher order necessary and sufficient conditions for optimality

> ELENA CONSTANTIN

01

Conditional integral transforms, conditional convolution products and first variations

> B. J. KIM, B. S. KIM and DAVID SKOUG

27

Boundedness and stability in nonlinear Volterra integrodifferential equations

> M. N. ISLAM, M. M. MIA and G. AL-EID

49

Infinite-dimensional Gel'fand σ -widths of anisotropic Besov classes

> Y. LIU and G. XU

65

Oscillation of neutral differential delay equations with variable coefficients and delays > K. A. DIB and RONALD M. MATHSEN	79
Implicit iteration process for common fixed points of a finite family of pseudocontractive maps > M. O. OSILIKE	89
An asymptotic result for the solutions of a higher order hyperbolic problem > RODICA LUCA	99

Volume 14 Number 4 October 2004

A study of eigenvalues of an impulsive differential equation > BONITA A. LAWRENCE and DENISE T. REID	01
Higher order optimality conditions and applications > H. LEE and N. PAVEL	11
On the instability of solutions of certain nonlinear vector differential equations of fifth order > CEMIL TUNÇ	25
Global stability of solutions of certain third order nonlinear differential equations of fifth order > CEMIL TUNÇ	31
Generalized vector equilibrium problems and applications > M. DUREA	37
The equivalence of Mann and Ishikawa iterations dealing with strongly pseudocontractive or strongly accretive maps > B. E. RHOADES and ŞTEFAN M. ŞOLTUZ	51
On the iterative methods for nonlinear operator equations in Banach spaces > H. Y. ZHOU, G. T. GUO, H. J. HWANG and Y. J. CHO	61
Inverse eigenvalue problems with applications in the mathematical physics > E. M. E. ZAYED	69
An existence result for a nonlinear integral equation without compactness > FLORIN ISAIA	93

VOLUME 15 NUMBER 1 JANUARY 2005

Linearization of second order nonlinear oscillation theorems > RAVI P. AGARWAL, S. DONTA AND S. R. GRACE	01
Convergence radii for Newton's method > IOANNIS K. ARGYROS	17
Projection methods for approximating fixed points of Lipschitz suppressive operators > C. E. CHIDUME AND JINLU LI	29
Convergence radii for Newton's method II > IOANNIS K. ARGYROS	41
Products of random variables with Cauchy kernel > SARALEES NADARAJAH AND ARJUN K. GUPTA	47
Some fixed point theorems for single-valued and multi-valued countably condensing weakly	

uniform isotone mappings	
> D. TURKOGLU, R. P. AGARWAL, D. OREGAN AND I. ALTUN	57
Strong convergence of approximants for pseudo-contractive mappings in Banach spaces	
> JONG SOO JUNG	69
Solvability of the Cauchy problem for nonlinear hyperbolic differential equation in unbounded region	
> JÓZEF BANAŚ AND MILLENIA LECKO	79
On a system of generalized nonlinear variational inequalities	
> Z. LIU, YAN HAO, S. M. KANG AND W. CHUNG	95

VOLUME 15

NUMBER 2

APRIL 2005

Controllability results for nondensely defined evolution impulsive differential inclusions with nonlocal conditions	
> E. P. GATSORI, L. GÓRNIWICZ AND S. K. NTOUYAS	01
Sensitivity analysis for generalized parametric nonlinear quasivariational inequalities	
> Z. LIU, J. SUN, S. M. KANG AND G. I. KIM	29
On the separation of elliptic differential operators with operator potentials in weighted Hilbert spaces	
> E. M. E. ZAYED, A. S. MOHAMED AND H. A. ATIA	39
Oscillation theorems for a self-adjoint dynamic equation on time scales	
> AARON GRAY, DAVID LOVIT AND STEVEN SPRIGGS	49
Nonconvex minimization theorems for fixed point theorems in certain topological spaces	
> J. S. JUNG, Y. J. CHO AND S. M. KANG	67
A gradient estimate for generalized non-autonomous Kato classes	
> RENÉ E. CASTILLO	79
New ideas on Hardy-Hilbert's integral inequality (I)	
> W. T. SULAIMAN	95

VOLUME 15

NUMBER 3

JULY 2005

On the facial structure of the cone of positive maps	
> D. A. YOPP, RICHARD D. HILL AND S. R. WATERS (01-13)	
A fixed point theorem for multi-valued mappings in ordered Banach spaces with applications II	
> B. C. DHAGE (15-34)	
On multivariate delayed recurrent processes	
> R. P. AGARWAL AND J. H. DSHALALOW (35-49)	
An instability result for a certain non-autonomous vector differential equation of fifth order	
> CEMIL TUNC (51-58)	
Fixed points of asymptotically Φ -demicontractive maps in arbitrary Banach spaces	
> M. O. OSILIKE AND F. O. ISIOGUGU (59-67)	
Degenerate elliptic problems on bounded domains with Robin boundary conditions	
> M. MIHAILESCU (69-78)	
Some Grüss' type inequalities in 2-inner product spaces and applications for determinantal integral inequalities	

- > S. S. DRAGOMIR, Y. J. CHO, S. M. KANG, S. S. KIM AND J. S. JUNG (79-94)
Sensitivity analysis of solutions for parametric nonlinear quasi-variational inequalities
- > Q. WU, H. GAO, Z. LIU AND S. M. KANG (95-106)

VOLUME 15

NUMBER 4

OCTOBER 2005

- > Convergence theorems of Ishikawa iterations with errors for nonexpansive mappings,
H. Kiuchi
- > Viable solutions for a class of differential inclusions without convexity,
A. Cernea
- > Asymptotic behavior of Jensen and Jensen type functional equations,
John M. Rassias and Matina J. Rassias
- > The 3D inverse problem of the heat equation for a multi-connected bounded region with applications in
mathematical physics,
E. M. E. Zayed
- > Functional random boundary value problems of second order differential equations,
B. C. Dhage
- > Global existence results for impulsive functional differential inclusions with multiple delay in
Fréchet spaces,
Johnny Henderson and A. Ouahab
- > Iterative construction of common fixed points of a finite family of generalized asymptotically
hemi-contractive mappings,
J. C. Huang
- > Errata,
J. C. Huang

VOLUME 16

NUMBER 1

JANUARY 2006

- > Asymptotic and oscillatory behavior of n-th order forced differential equations with deviating argument
depending on the unknown function,
N. T. Markova and P. S. Simeonov (01-15)
- > Nonoscillation criteria for first order delay differential equations,
N. T. Markova and P. S. Simeonov (17-29)
- > Function sequence technique for half-linear dynamic equations on time scales,
P. Rehak (31-56)
- > A formula for smooth \acute{P} -harmonic functions,
P. Wang (57-65)
- > Separability of weakly convergent sequences in Banach spaces,
J. Dronka, L. Olszowy, and L. Rybarska-Rusinek (67-82)
- > Representations and estimates to Csiszar's f -Divergence,
G. A. Anastassiou (83-106)

VOLUME 16

NUMBER 2

APRIL 2006

-
- > A Wong-Zakai type theorem for stochastic systems of Burgers equations,
A. Nowak (1-25)
 - > Positivity of the Green Matrix of an infinite system,
A. Domoshnitsky and E. Litsyn (27-40)
 - > Asymptotic properties of solutions of a forced second order differential equation with p-Laplacian,
M. Bartusek and John R. Graef (41-59)
 - > The decomposition of anisotropic Herz spaces and its applications,
S. Lan (61-75)
 - > Csiszar and Ostrowski type inequalities via Euler-type and Fink identities,
G. A. Anastassiou (77-91)
 - > The class of asymptotically demicontractive maps a proper subclass of asymptotically
pseudocontractive maps,
B. E. Rhoades and S. M. Soltuz (93-97)

VOLUME 16

NUMBER 3

JULY 2006

Existence and decay of solutions of a coupled system of plates, > S. R. W. SANGUINO BEJARANO, and MANUEL M. MIRANDA	01
On the set of optimal solutions of Cent-Dian problems in continuous spaces, > LUCA GUERRINI, and P. L. PAPINI	19
Generalized random variational-like inequalities with randomly pseudo-monotone multivalued mappings, > M. FIRDOSH KHAN, SALAHUDDIN, and R. U. VERMA	33
On a class of nonlinear variational-like inequalities in reflexive Banach spaces, > Z. LIU, J. SUN, and S. M. KANG	47
A KKM theorem of Fan type with applications, > G. WANG	59
On infinite horizon variational problems arising in continuous mechanics, > A. J. ZASLAVSKI	69
The Henstock-Kurzweil delta integral on unbounded time scales, > STEPHEN AVSEC, B. BANNISH, B. JOHNSON, and S. MECKLER	77
Second order impulsive functional dynamic equations on time scales, > A. BELARBI, M. BENCHOHRA, A. OUAHAB, and S. K. NTOUYAS	99

VOLUME 16

NUMBER 4

OCTOBER 2006

Strong convergence theorems for uniformly L-Lipschitzian mappings in Banach spaces, > C. E. CHIDUME and E. U. OFOEDU	01
Iterative algorithms with some control conditions for quadratic optimizations, > JONG S. JUNG	13

Common fixed points and homotopy results in gauge spaces, > A. ALHOMAIDAN and N. SHAHZAD	27
Fixed points of Meir-Keeler type hybrid contractions, > S. L. SINGH, A. KUMAR and Y. J. CHO	35
Implicit iteration process for common fixed points of a finite family of asymptotically Φ - demicontractive maps, > J. C. HUANG	55
The Kurzweil-Henstock integral for Riesz space-valued maps defined in abstract topological spaces and convergence theorems, > A. BOCCUTO and B. RIEČAN	63
Convergence theorems for common fixed points for finite families of asymptotically nonexpansive mappings in reflexive Banach spaces, > C. E. CHIDUME and B. ALI	81
On absolute summability methods, > B. E. RHOADES and E. SAVAS	97

VOLUME 17

NUMBER 1

JANUARY 2007

Quantum groups and Hadamard Matrices, > T. BANICA, and R. NICOARA (1-24)	
The strong nonlinear limit - point / limit - circle properties for super - half - linear equations, > M. BARTUŠEK, and JOHN R. GRAEF (25-38)	
Exponential stability of dynamic equations on time scales, > M. RASHFORD, J. SILOTI, and J. WROLSTAD (39-51)	
Convergence of three-step iteration process for asymptotically quasi-nonexpansive type mappings in convex metric spaces, > B. S. THAKUR, and J. S. JUNG (53-60)	
A remark on multivalently convex and starlike functions, > M. NUNOKAWA, S. OWA, Y. POLATO ⁴ ₅ LU, and E. YAVUZ (61-66)	
A monotone technique for second order discontinuous functional differential inclusions, > B. C. DHAGE, and JOHNNY HENDERSON (67-74)	
Uniqueness and existence for 2nth order Lidstone boundary value problems, > J. EHME, and A. LANZ (75-81)	
Asymptotic behavior of a perturbed dynamic equation on a time scale, > JENNIFER L. LANGDON (83-110)	

VOLUME 17

NUMBER 2

APRIL 2007

Generic continuity of a lower semicontinuous function, > ALEXANDER J. ZASLAVSKI (1-10)	
Non-local problems with special gluing condition for the parabolic-hyperbolic type equation with complex spectral parameter, > E. T. KARIMOV (11-20)	
Moments of the complex matrix variate beta distribution,	

- > ELIZABETH BEDOYA, D. K. NAGAR, and A. K. GUPTA (21-32)
- Positive solutions to nonlinear three point boundary value problems in time scales,
- > I. Y. KARACA (33-49)
- On finite intersection properties in abstract convex spaces,
- > SEHIE PARK (51-63)
- Predictor-Corrector iterative algorithm for generalized mixed implicit equilibrium-like problems,
- > ZEQING LIU, G. CHEN, S. H. SHIM, and SHIN MIN KANG (65-72)

- A finer mesh independence of Newton's method,
- > IOANNIS K. ARGYROS (73-80)
- Self-adjoint matrix equations on time scales,
- > DOUGLAS R. ANDERSON, and BOBBI BUCHHOLZ (81-104)

VOLUME 17

NUMBER 3

JULY 2007

- Generalized $(F, \beta, \varphi, \rho, \theta)$ -univex functions and global parametric sufficient optimality conditions in semiinfinite discrete minmax fractional programming,
- G. J. ZALMAI, and Q. ZHANG 01
- Self-adjointness of even order linear dynamic equations with mixed derivatives,
- > DANIEL MAREK 27
- Recognizability in $m \times n$ - polypodes I,
- > GEORGE DANAS 39
- Multiple positive solutions for φ -Laplacian BVPs,
- > A. BENMEZAOÛ, S. DJEBALI, and T. MOUSSAOUI 53
- Strong convergence of Halpern's sequence for accretive operators in a Banach space,
- > KOJI AOYAMA, H. IIDUKA, and WATARU TAKAHASHI 75
- Chebyshev-Grüss type and comparison of integral means inequalities for the Stieltjes integral,
- > GEORGE A. ANASTASSIOU 91

VOLUME 17

NUMBER 4

OCTOBER 2007

Existence and uniqueness results in Morrey type spaces, > A. CANALE	01
The equivalence between Picard, Krasnoselskij, Mann, Ishikawa and implicit Mann iterations when applied to weakly contractive operators, > STEFAN M. SOLTUZ	17
Stability of solutions for a class of minimization problems, > A. J. ZASLAVSKI	31
Stieltjes-type integrals for metric semigroup-valued functions defined on unbounded intervals, > ANTONIO BOCCUTO, D. CANDELORO, and ANNA R. SAMBUCINI	39
Opial type inequalities for Widder derivatives, > GEORGE A. ANASTASSIOU	59
Fuzzy generalized complementarity problems in Banach spaces, > M. FIRDOSH KHAN, SALHUDDIN, and R. U. VERMA	71
Generalized variational inequalities involving relaxed monotone mappings in Hilbert spaces, > X. L. QIN, M. SHANG, and Y. SU	81
Existence theory for perturbed boundary value problems for first order multivalued differential systems, > A. BELARBI, M. BENCHOHRA, and S. DJEBALI	89
On the local convergence of Newton's method on Lie groups, > IOANNIS K. ARGYROS	101

Henstock-Kurzweil integrals on time scales, > BRIAN S. THOMSON	01
Comments on fixed point and coincidence theorems for families of multimaps, > SEHIE PARK	21

Techniques for a priori choice of regularizing parameters in Tikhonov regularization, > M. IQBAL	35
Common fixed point theorems for hybrid pairs of occasionally weakly compatible mappings defined on symmetric spaces, > M. ABBAS and B. E. RHOADES	55
Conjecture on jacobian elliptic functions, > Y. MOCHIMARU and D. KOLEV	63
Strong nonlinear limit-point/limit-circle properties for forced Thomas-Fermi equations with p-Laplacian, > M. BURTUSEK and J. R. GRAEF	73
Some inequalities for Gram's determinants and applications, > S. S. KIM, Y. J. CHO and S. S. DRAGOMIR	89
Strong convergence of an explicit iteration process for a finite family of asymptotically demicontractive maps in Banach space, > N. C. PETERS	99

VOLUME 18

NUMBER 2

APRIL 2008

CONTENTS

Approximation by means of Kantorovich generalized sampling operators in Musielak-Orlicz spaces, > C. DONNINI and G. VINTI	01
Approximation solvability for a class of nonlinear set-valued variational inclusions involving (A,η) -monotone mappings, > S.S. CHANG, H.W. JOSEPH LEE and C.K. CHAN	19
Hardy spaces associated to generalized parabolic sections, > X. WU	33
The commutators of multiplier operators, > L. LIU and BOLIN MA	53
Comments on the KKM theory on ϕ_A -spaces, > SEHIE PARK	61
Approximation of fixed points of nonexpansive mappings and solutions of variational inequalities, > C.E. CHIDUME, C.O. CHIDUME and Y. SHEHU	73
The uncertainty principle in pseudo-Riemannian symmetric spaces, > RAJ WILSON	83

CONTENTS

>Optimal stopping time for stochastic processes: An application to the employer's profile formation option, G. DIMAKOS & A. KARANTZI	01
>Riemann-Taylor expressions and fractional derivatives, N. ELEZOVIC & Z. TOMOVSKI	15
>Existence and uniqueness of positive solutions for fourth order nonlinear singular continuous and discrete one-dimension p-Laplacian problems, C. YUAN, D. JIANG & D. O'REGAN	31
>Existence of local and global solutions to fractional order integral equations, M. MUSLIM, R. P. AGARWAL & A.K. NANDAKUMARAN	47
>Differential Systems with second order differences in Hilbert spaces, RODICA LUCA	59
>Some related results for Bessel's type inequalities in 2-inner product spaces and applications, S.S. KIM, Y.J. CHO & S.S. DRAGOMIR	69
>A note on a theorem of Bojadziev, S. SIMKANI	83
>Conditioning and convergence of processes for equilibrium problems, A. MOUDAFI	95

CONTENTS

Moment generating functions, local approximations and one-step conditioning, > KENNETH S. BERENHAUT and D. CHEN	01
One matricial quasinorms, > JOSEPH R. SILER and RICHARD D. HILL	11
Monotonic solutions of a functional integral equation of Urysohn type, >M. A. DARWISH	17
Porosity results for a class of equilibrium problems, >ALEXANDER J. ZASLAVSKI	29

An elementary path to Galois and strongly pure chain rings, > J. L. KIM, HAMID KULOSMAN and STEVE SEIF	39
Distribution of k-semismooth integers, > C. ZHANG	50
Solution by iteration of nonlinear variational inequalities involving finite family of asymptotically nonexpansive mappings and monotone mappings, > E. U. OFOEDU, Y. SHEHU and J. N. EZEORA	61
The duality of non-isotropic multiparameter flag Hardy spaces, > Z. RUAN	77
Integration formulas for functionals on the function space $C_{a,b} [0,T]$ involving Paley-Wiener-Zygmund stochastic integrals, > IAN PIERCE and DAVID SKOUG	101

VOLUME 19

NUMBER 1

JANUARY 2009

CONTENTS

> Convergence and Fubini theorems for metric semi-group-valued functions defined on unbounded rectangles, A. BOCCUTO, B. RIEČAN, and ANNA R. SAMBUCINI	01
> The saturation theorems for the limit q-Bernstein operators, Z. LAIYI, and LIN QIU	13
> Existence of three nonnegative periodic solutions for functional differential equations and applications to hematopoiesis, S. PADHI, S. SRIVASTAVA, and JULIO G. DIX	27
> Multiplication operator on $L_{(p,q)}$ Spaces, R. E. CASTILLO, R. LEÓN, and E. TROUSSELOT	37
> Twin positive solutions of boundary value problems for nonlinear second order difference equations, N. A. HAMAL	45
> Generalized parametric system and quasi-variational-like inclusions in Banach spaces, M. ALIMOHAMMADY, M. K. KALLEGI	53
> A note on the difference equation, V. V. KHUONG	67
> On the convergence of inexact Newton-type methods using recurrent functions, I. K ARGYROS, and S. HILOUT	79
> On global existence and attractivity results for nonlinear random integral equations, B. C. DHAGE	97

VOLUME 19

NUMBER 2

APRIL 2009

CONTENTS

> Classes of uniformly convex functions with two fixed points, M. K. AOUF, and H. SILVERMAN	01
> On the convergence of some iterative procedures under regular smoothness, IOANNIS K. ARGYROS, and SAID HILOUT	17
> $(\alpha, \delta)_p$ - Neighborhood for certain class of multivalent functions, F. ALTUNTAS, S. OWA, and M. KAMALI	35
> Recursive estimation of a hidden Markov time, L. AGGOUN	47
> Common fixed point theorems for two classes of multivalued contractive type mappings, Z. LIU, X. HOU, S. M. KANG, and Y. S. KIM	53
> Multiple positive solutions for the system of higher order two-point boundary value problems, K. R. PRASAD, P. MURALI, and A. KAMESWARA RAO	63
> Strong convergence theorem for a generalized mixed equilibrium problem and fixed point problem for a family of infinitely nonexpansive mappings in Hilbert spaces, J. TANG, and S. S. CHANG	75
> On generalized variational type inequalities, SALAHUDDIN, and M. K. AHMAD	87
> An iterative method involving finite family of asymptotically nonexpansive mappings and monotone mappings in Hilbert spaces, Y. SHEHU, and J. N. EZEORA	99

VOLUME 19

NUMBER 3

JULY 2009

CONTENTS

> The expanded Siler lattice, R. T. POTTER, A. J. KLIMAS, and R. D. HILL (1-15)	
> Strong convergence theorems for a finite family of strictly pseudo-contractive mappings in Banach spaces, C. E. CHIDUME, and Y. SHEHU (17-28)	
> Coupled systems of nonlinear fractional differential equations with nonlocal boundary conditions, J. R. GRAEF, and B. AHMAD (29-39)	
> The basic generated partial differential equations and the pseudo-linear superposition principle, D. VIVONA (41-50)	
> Nonlinear multiple objective fractional programming involving semi-locally type I- α -preinvex and related functions, S. K. MISHRA, J. S. RAUTELA, and K. SHUKLA (51-67)	
> Multiplicity results for a two-point boundary value problem, S. HEIDARKHANI, and D. MOTREANU (69-78)	
> Systems of generalized quasi-Ky Fan inequalities and Nash equilibrium points with set-valued maps in topological semilattices, N. T. VINH (79-92)	

> Some results related to Aczel's inequality in $2k$ -inner product spaces, S. S. KIM (93-100)

VOLUME 19

NUMBER 4

OCTOBER 2009

CONTENTS

- > The Laplace transform on time scales, C.R. AHRENDT (1-36)
- > On nonsmooth multiobjective optimization involving generalized G -invexity, S.K. MISHRA, J.S. RAUTELA and V. SINGH (37-49)
- > Strong convergence theorems for nonexpansive mappings and inverse-strongly monotone mappings, Y. SHEHU (51-60)
- > Convergence of a class of non-orthogonal wavelet expansions in $L^p(\mathbb{R})$, $1 \leq p < \infty$, D. KUMAR (61-70)
- > An iterative method for fixed point problems of nonexpansive mappings, monotone mappings and equilibrium problems, B. ALI and Y. SHEHU (71-87)
- > A certain class of identities of the Rogers-Ramanujan type, H.M. SRIVASTAVA and C.H. ZHANG (89-102)

VOLUME 20

NUMBER 1

JANUARY 2010

CONTENTS

- > Asymptotic formulae for bivariate discrete operators: Applications to generalized sampling series and Szász-Mirak'jan type operators, C. BARDARO and I. MANTELLINI (1-21)
- > The univalence of some integral operators, V. PESCAR (23-30)
- > Strong nonlinear limit-point/limit-circle properties for second order differential equations with delay, M. BARTUŠEK and JOHN R. GRAEF (31-49)
- > Uniqueness conditions for a class of nonlocal boundary value problems, PAUL W. ELOE and R. A. KHAN (51-57)
- > The deficient values for a class of meromorphic functions, T. G. CHEN, K. Y. CHEN and Y. L. TSAI (59-70)
- > Strong convergence theorems for an infinite family of nonexpansive mappings in Banach spaces, YEOL J. CHO, S. H. WANG and X. QIN (71-78)
- > A new hybrid projection algorithm for mixed equilibrium problems and finite family of strict pseudo-contraction mappings, L. C. ZHAO and S. S. CHANG (79-91)
- > On the convergence of Sterling-type methods using recurrent functions, I. K. ARGYROS and S. HILOUT (93-105)

VOLUME 20

NUMBER 2

APRIL 2010

CONTENTS

- > Stability for the solutions of parabolic equations with “Maxima,” T. DONCHEV, N. KITANOV, D. KOLEV (1-20)
- > A new approach for a mathematics capstone course, L.A. DUNLAP, and A. HAJJAFAR (21-35)
- > Asymptotic and oscillatory behavior of nth order forced differential equations with “maxima,” T. DONCHEV, S. HRISTOVA, . MARKOVA (37-51)
- > A note on boundedness, periodic nature and positive nonoscillatory solution of rational difference equation, V.V. KHUONG, and M.N. PHONG (53-65)
- > Some results on the p-Laplace operators near resonance, L. LASSOUED, and A. MAALAOUI (67-79)
- > Hybrid steepest-descent methods with a countable family of nonexpansive mappings for variational inequalities in Hilbert spaces, S. WANG, and F. WANG (81-92)
- > Some results related to Ostrowski’s inequality in 2-inner product spaces, S.S. KIM (93-102)

PANAMERICAN MATHEMATICAL JOURNAL Volume 20 Number 3 JULY 2010

CONTENTS

- Evaluation formulas for conditional function integrals space II, S.J. CHANG, J.G. CHOI and DAVID SKOUG (1-26)
- Measure of noncompactness and hyperbolic partial fractional differential equations in Banach spaces, M. BENCHOHRA, J.J. NIETO and D. SEBA (27-38)
- Existence and iterative approaches of positive solutions for forced first-order differential equations, Z. LIU, A. JIANG, G.I. KIM and S.M. KANG (39-48)
- An inner boundary problem for mixed type equation with two singular coefficients, A.K. URINOV and K.T. KARIMOV (49-58)
- A fixed point theorem in convex metric spaces with application, S.S. CHANG, C.K. CHAN, H.W. JOSEPH LEE and J.A. LIU (59-68)
- Random fixed point theorems on product topological spaces, SALAHUDDIN and M.K. AHMAD (69-84)
- On Aczel’s type inequality for Gramians in 2-inner product spaces, S.S. KIM, Y.J. CHO and S.S. GRAGOMIR (85-96)
- Approximation properties of fuzzy system for multi-variables functions, B.C. CUONG, N.C. LUONG and H.V. LONG (97-113)

PANAMERICAN MATHEMATICAL JOURNAL Volume 20 Number 4 OCTOBER 2010

CONTENTS

- ▶ Argument –image commuting maps: Three perspectives, D.H. CARLSON, R.D. HILL and A.J. KLIMAS (1-14)
- ▶ Solution and generalized Hyers-Ulam stability of a 2-variable cubic functional equation, K. RAVI, B.V.S. KUMAR, E. THANDAPANI and SANDRA PINELAS (15-30)
- ▶ Solvability of a second order nonlinear neutral delay difference equation, T. CAI, Z. LIU, S.H. KHAN and S.M. KANG (31-43)
- ▶ The stochastic Ito integral on time scales, F. M. ATICI and D.C. BILES (45-56)

- ▶ Filtering and smoothing for a multi-targets system, L. AGGOUN (57-66)
- ▶ Existence of a bounded positive solution for a second order difference equation, Z. LIU, M. JIA, J.S. PARK and S.M. KANG (67-75)
- ▶ On the semilocal convergence of an inverse free Broyden 's method, I.K. ARGYROS and S. HILOUT (77-92)
- ▶ Newton's method and interior point techniques, I.K. ARGYROS (93-101)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 21 Number 1 JANUARY 2011

CONTENTS

- >Induced representations and modular functions, R. WILSON and E. TANNER (1-26)
- >Lack of Gromov-Hyperbolicity in colored random networks, Y. SHANG (27-36)
- >Positive periodic solutions for a nonlinear delay difference equation, S. PADHI and S. PATI (37- 47)
- >Existence of solutions and iterative approximations for a nonlinear quasi-variationa inclusion with A-monotone mappings, Z. LIU, L. CHEN, S.M. KANG and C.Y. JUNG (49-58)
- >Stability of reciprocal type functional equations, K. RAVI, E. THANDAPANI, B.V.S. KUMAR (59-70)
- >The weighted k-functional for r-monotone functions on the real line, Z. LAIYI, Y. HUI and LI HONG (71-84)
- >A three-step iteration with errors for asymptotically quasi-nonexpansive mappings in the intermediate sense , S.M. KANG, S.Y. CHO and C.Y. JUNG (85-98)
- >Multiple positive solutions for the Sturm-Liouville fractional order boundary value problem, K.R. PRASAD, P. MURALI and K.L.S. DEVI (99-109)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 21 Number 2 APRIL 2011

CONTENTS

- > A class of parabolic maximal operators with rough kernel on product spaces, F. WANG and Y. CHEN (1-15)
- > Solvability of a forced third order nonlinear neutral delay difference equation, Q. WU, Z. LIU, S. LEE and S.M. KANG (17-26)
- > Fixed point theorems on c-distance in cone metric spaces, C. ZHOU, J.H. BAEK and S. WANG (27-34)
- > Bounded solutions to an initial value problem for fractional differential equations on the half-line, M. BENCHOHRA , JOHNNY HENDERSON and F. OUAAR (35-44)
- > Newton-Steffensen methods for solving generalized equations, I. ARGYROS, Y.J. CHO and S. HILOUT (45-57)
- > Minimization problem and algorithm of solutions, S.S. CHANG, H.W. JOSEPH LEE, C.K. CHAN and X.R. WANG (59-74)
- > Mixed norm estimates on modulation spaces for certain unimodular multipliers, LIJING SUN (75-90)
- > On new Hilbert's integral inequality and its applications, WAAD T. SULAIMAN (91-99)
- > On uniqueness of the Laplace Transform on time scale, B. KARPUZ (101-110)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 21 Number 3 JULY 2011

CONTENTS

- > Some properties of functions associated with certain classes of meromorphic functions,
B.A. FRASIN and S. Owa (1-10)
- > On the local convergence analysis of inexact Gauss-Newton -like methods,
I.K. ARGYROS, Y.J. CHO and S. HILOUT (11-18)
- > Existence of nonoscillatory solutions of higher order neutral functional differential equations,
G. JIANG, S.M. KANG and Y.C. KWUN (19-29)
- > Local score test for the mixing proportion for the contaminated elliptical distributions,
A. SARR and ARJUN K. GUPTA (31-41)
- > Generalized quadratic form's doubly noncentral multivariate beta distribution,
ARJUN K. GUPTA, D.G. KABE and S. CHONGCHAROEN (43-50)
- > Existence and uniqueness solutions for fractional order integrodifferential equations with nonlocal
initial conditions, G. GUO and MIN LIU (51-61)
- > Starlikeness problems for certain analytic functions concerned with subordinations,
H. SHIRAISHI, S. OWA, T. HAYAMI, K. KUROKI and H.M. SRIVASTAVA (63-77)
- > Laplace transforms for the Nabla-Difference operator, J. HEIN, Z. McCARTHY,
N. GASWICK, B. McKAIN and K. SPEER (79-97)
- > Asymptotic behavior of positive solutions of the heat equation,
J.B. LACAY (99-103)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 21 Number 4 OCTOBER 2011

CONTENTS

- > Limit-point/limit-circle properties for delay equations of the second order,
M. BARTUŠEK and JOHN R. GRAEF (1-17)
- > Existence theorem of quasi-variational type inequalities,
SALAHUDDIN, M.K. AHMAD & R.U. VERMA (19-30)
- > Generalized multivalued variational-like inequalities in Banach spaces,
SALAHUDDIN, M.K. AHMAD, A.P. FARAJZADEH & R.U. VERMA (31-40)
- > A new method for solving convex feasibility problem in Banach spaces,
S.S. CHANG, LIN WANG & J.A. LIU (41-58)
- > On the inverses of generalized Kronecker sums,
D.L. MUENCH, R.D. HILL & A.J. KLIMAS (59-65)
- > A sufficient condition for the stability of Browder-type strong convergence to fixed
points of nonexpansive mappings,
A. MOUDAFI (67-72)
- > Uncountably many boundary nonoscillatory solutions of higher-order difference equation,
M. LIU & Z. GUO (73-85)
- > On commutativity of associative rings,
V.V.S. RAMACHANDRAM (87-90)
- > Existence of bounded nonoscillatory solutions and iterative approximations for a second
order nonlinear neutral delay differential equation,

- Z. LIU, H. YU & S.M. KANG (91-104)
 > Coefficient estimates for the inverses of starlike functions represented by symmetric series,
 H.M. SRIVASTAVA, A.K. MISHRA & S.N. KUND (105-123)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 22 Number 1 JANUARY 2012

CONTENTS

- > Linear regression with bilinear time series errors,
 Z. CHIKR-EL-MEZOUAR, A.M. KADI and M.M. GABR (1-13)
 > Applications of certain analytic functions related to uniform starlikeness,
 J. NISHIWAKI and S. OWA (15-28)
 > Convergence of the proximal point algorithm to approximate solutions of variational
 inequalities,
 ALEXANDER J. ZASLAVSKI (29-36)
 > Multiple-sets split feasibility problem for a finite family of asymptotically quasi-nonexpansive
 mappings,
 L.J. QIN, LIN WANG and S.S. CHANG (37-45)
 > New iterative procedures with errors of common fixed points for multivalued contraction
 mappings in Banach spaces,
 H.Y. LAN and JUN LI and Y.J. CHO (47-56)
 > An extension of Argyros' Kantorovich-type solvability theorem for nonlinear equations,
 L.U. UKO and I.K. ARGYROS (57-66)
 > On a generalization of Moret's theorem for inexact Newton-like methods,
 IOANNIS K. ARGYROS and S. HILOUT (67-73)
 > Bounded positive solutions of a second order nonlinear neutral delay partial difference equation,
 Z. LIU, Z. WU, C.Y. JUNG and S.M. KANG (75-90)
 > A multivariate skew normal family,
 DENIZ AKDEMIR and ARJUN K. GUPTA (91-111)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 22 Number 2 APRIL 2012

CONTENTS

- > Focusing of maximum vertex degrees in random faulty scaled sector graphs,
 Y. SHANG (1-17)
 > Convergence theorems for solutions of Hammerstein equations with accretive-type
 nonlinear operators,
 C.E. CHIDUME and N. DJITTE (19-29)
 > Some properties of monotonic solutions of $x''' + p(t)x' + q(t)f(x) = 0$,
 JOHN R. GRAEF and M. REMILI (31-39)
 > Multi-point nonlocal boundary value problems of fractional differential inclusions
 with non-convex valued maps,
 BASHIR AHMAD and SOTIRIS K. NTOUYAS (41-53)

- > Hybrid steepest descent approximation methods for the zeros of generalized accretive operators,
N. GURUDWAN and B.K. SHARMA (55-65)
- > An asymptotic formula for decreasing solutions to coupled nonlinear differential systems,
SERENA MATUCCI and PAVEL REHAK (67-75)
- > Improvement of an inequality of G.H. Hardy via superquadratic functions,
SAJID IQBAL, KRISTINA K. HIMMELREICH and JOSIP PECARIC (77-97)
- > On the solution of nonsmooth generalized equations,
IOANNIS K. ARGYROS (99-105)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 22 Number 3 JULY 2012

CONTENTS

- > Second initial boundary value problem for strongly Schrödinger systems in cylinders with nonsmooth base,
H.V. LONG and N.T. K. SON (1 – 29)
- > The variational iteration method combined with the generalized tanh-coth function method for solving nonlinear partial differential equations,
E.M.E. ZAYED and H.M. ABDEL RAHMAN (31 – 44)
- > Pseudoframes and non-orthogonal projections onto subspaces,
D. KUMAR and N.A. SEIKH (45 – 55)
- > On generalized nonlinear quasivariational inequalities,
Q. WU, J. SUN, S.Y. CHO and S.M. KANG (57 – 67)
- > On the semilocal convergence of Newton-like methods using decreasing majorizing sequences,
I. K. ARGYROS (69 – 79)
- > Strong convergence for solving generalized mixed equilibrium problems and fixed point problems for nonexpansive mappings and variational inequalities,
Z. MA and LIN WANG (81 – 103)
- > Weighted endpoint estimate for commutator of Marcinkiewicz integral,
Y. LIN, Z. LIU and D. WANG (105 – 116)
- > Separating rational L_p inequalities for integral operators,
George A. ANASTASSIOU (117 – 145)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 22 Number 4 OCTOBER 2012

CONTENTS

- > Recognizability and $m \times n$ – polypodic automata I,
GEORGE DANAS (1 -13)
- > Coefficient bounds for bi-univalent functions,
T. HAYAMI and S. OWA (15 - 26)
- > Existence of a unique solution of a discrete fractional conjugate boundary
value problem,
K. ALYOUSEF (27 - 39)
- > Positive solutions to three-point nonlinear fractional semi-positone boundary,
A. SAADI, A. BENMEZAI and M. BENBACHIR (41 -57)
- > Controlled over-relaxation applied to well-known iterative methods,
CURTIS ANDERSON and ALI HAJJAFAR (59- 68)
- > New extensions for classes of analytic functions in the punctured open unit disk,
B.A. FRASIN and S. OWA (69 – 79)
- > Univalent criteria concerned with Löwner chains of certain analytic functions,
H. TUDOR and S. OWA (81 – 95)
- > Convergence of three-step iterative schemes involving ϕ – strongly accretive
operators in Banach spaces,
ARIF RAFIQ and SHIN M. KANG (97 – 107)
- > Controllability results for second order abstract mixed Volterra-Fredholm functional
integrodifferential equations,
K.D. KUCCHE and M.B. DHAKNE (109 – 121)
- > Volterra-Fredholm integral inequalities with two nonlinear terms,
X.Y. LIU (123 -131)

- > A note on a method for inverse problem,
IOANNIS K. ARGYROS and H. REN (133 – 139)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 23 Number 1 JANUARY 2013

CONTENTS

- > On spectral properties of group circulant matrices.
PETER ZIZLER (1 – 23)
- > Differential sandwich theorems for functions of associated with a generalization the Srivastava -
Attiya operator,
A.K. MISHRA and P. GOCHHAYAT (25 – 43)
- > Existence and nonexistence of multiple positive periodic solutions of first order differential
equations with unbounded Green's kernel,
JOHN R. GRAEF, S. PADHI and SMITA PATI (45 – 55)
- > Set-valued Kurzweil – Henstock integral in Riesz space setting,

- A. BOCCUTO, A.M. MINOTTI and A.R. SAMBUCINI (57 – 74)
- > Weak solutions of boundary value problem of fractional order on unbounded domains in Banach spaces,
M. BENCHOHRA, FATIMA-ZOHRA MOSTEFAI, J.J. NIETO and A. OUAHAB (75 -94)
 - > More Lyapunov – Loewy type results,
D.L. MUENCH, RICHARD D. HILL and A.J. KLIMAS (95 – 110)
 - > Asymptotic behavior of non-oscillatory solutions of first-order neutral difference equations,
G.E. CHATZARAKIS, G.N. MILIARAS, I.P. STAVROULAKIS and
E. THANDAPANI (111 - 129)
 - > On Newton's method for solving equations containing nonsmooth operators,
IOANNIS K. ARGYROS and SAID HILOUT (131 - 139)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 23 Number 2 April 2013

CONTENTS

- > On a Class of Discrete-Time Optimal Control Problems Arising in Economic Dynamics,
Alexander J. Zaslavski (1 - 12)
- > Boundary Value Problems for a Discrete Fractional Self-Adjoint Equation,
Pushp R. Awasthi (13 - 34)
- > On the Oscillatory Behavior of Volterra Integral Equations on Time-Scales,
Said R. Grace, John R. Graef, Saroj Panigrahi and Ercan Tunc (35 – 41)
- > Some Convergence Results for Continuous Strongly Pseudocontractive Mappings,
Shin Min Kang, Arif Rafiq and Dong Min Lee (43 – 51)
- > Radius Problems for Certain Strongly Close-to-Convex Functions,
Yutaka Shimoda, Yayoi Nakamura and Shigeyoshi Owa (53 – 58)
- > Subordinations of Functions Concerned with Univalent Functions,
Kazuo Kuroki, Junichi Nishiwaki, Toshio Hayami and Shigeyoshi Owa
(59 – 66)
- > Positive Solutions for a First Order Nonlinear Neutral Differential Equation,
Qinhua Wu, Shin Min Kang and Chahn Yong Jung (67 – 78)
- > On discrete Gauss-Weierstrass and Picard operators,
George A. Anastassiou (79- 86)
- > An Entourage Approach to the Contraction Principle in Uniform Spaces
Endowed with a Graph,
Aris Aghanians, Kamal Fallahi and Kouroush Nourouzi (87 – 102)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 23 Number 3 JULY 2013

CONTENTS

On a Generalized Mixture of Standard Normal and Skew Normal Probability Distributions, > Arjun K. Gupta, M. Hafidz Omar and Anwar H. Joarder	01
Applications of a New Leibniz-type Rule for Fractional Derivatives to Functions of Several Variables, > S. Gaboury, R. Tremblay and B.-J. Fugere	15
Cycles in Random Bipartite Graphs, Yilun Shang	27
First Extremal Points and Positive Solutions for a Three Point Boundary Value Problem, > Jeffrey T. Neugebauer	35
On Generalized Mann Type Implicit Iteration Method for Two Hemicontractive Mappings in Hilbert Spaces, > Shin Min Kang, Arif Rafiq, Nawab Hussian and Dong Min Lee	53
Coupled Coincidence Points of Nonlinear Contractive Mappings Using Compatible Mappings in Partially Ordered Metric Spaces, > Shin Min Kang, Preeti, Sanjay Kumar and Chahn Yong Jung	67
Schur's Bound in the Lie Algebra of Upper-Triangular Matrices, > Manuel Ceballos, Juan Nunez and Angel F. Tenorio	79
Recurrence Relations for Single and Product Moments of Generalized Order Statistics from Exponential Bernoulli Distribution, > Nayabuddin	89
Some Remarks on the Fourier Transform, > Ping Lv, Shunhua Shizuo and Dunyan Yan	99

PANAMERICAN MATHEMATICAL JOURNAL
Volume 23 Number 4 OCTOBER 2013

CONTENTS

> Existence and Structure of Solutions for a Class of Optimal Control Problems Arising in Economic Dynamics, Alexander J. Zaslavski (1—22)	
---	--

- > Discrete Calculus on Mixed Time Scales,
Alexander Estes (23—46)
- > Uncountably Many Bounded Positive Solutions for a Higher Order
Nonlinear Differential Equation,
Zeqing Liu, Yan Han and Shin Min Kang (47--62)
- > Positive Solutions and Iterative Methods for a Second Delay Difference
Equation,
Zeqing Liu, Yan Lu and Shin Min Kang (63--70)
- > On Impulsive Neutral Nonlocal Integro-Differential Equations with Finite
Delay,
Rupali S. Jain and M. B. Dhakne (71—86)
- > Recognizability and $m \times n$ -Polypodic Automata II,
George Danas (87—98)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 24 Number 1 JANUARY 2014

CONTENTS

- Determinant Systems for Nuclear Perturbations of Fredholm Operators in
Fréchet Spaces,
> GRAZYNA CIECIERSKA (1 - 20)
- Fixed Point Theorems for ϕ -weakly Expansive Mappings in G -metric
Spaces,
> S.M. KANG, M. KUMAR, P. KUMAR and S. KUMAR (21 - 30)
- Upper, Lower Solutions Method and Extremal Solutions for Impulsive Discontinuous
Partial Fractional Differential Inclusions,
> S. ABBAS, M. BENCHOHRA and A. HAMMOUDI (31 - 52)
- A Fixed Point Theorem for a Meir-Keeler Type Contractive Condition on an
Intuitionistic Fuzzy Metric Space,
> S. MANRO (53 - 64)
- The modified Simple Equation Method for Two Nonlinear PDEs with Power Law
and Kerr Law Nonlinearity,
> E. M. E. ZAYED (65 - 74)
- The Stability of a Generalized Radical Reciprocal Quadratic Functional Equation
in Felbin's Space,

- > K. RAVI, J.M. RASSIAS, SANDRA PINELAS and P. NARASIMMAN (75 - 92)
 On Starlikeness of Analytic Functions with Bounded Derivative,
 > N. TUNESKI, M. PETRUSEVSKI and B. JOLEVSKA-TUNESKA (93 - 101)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 24 Number 2 APRIL 2014

CONTENTS

- Discrete q -Calculus and the q -Laplace Transform
 > T.J. AUCH, J. LAI, EMILY OBUDZINSKI and CORY WRIGHT (1 - 24)
 Bounded Positive Solutions of a Second Order Neutral Partial Difference
 Equation
 > QINHUA WU, SHIN MIN KANG and SO BONG JEONG (25 - 36)
 Fixed Points for Contractive Mappings of Integral Type
 > Z. LIU, RONG LU and SHIN MIN KANG (37 - 50)
 Notes on Classes of Certain Analytic Functions Concerned with $M^{\{o\}}$ bius
 Transformations
 > SHIGEYOSHI OWA (51 - 60)
 A Fixed Point Approach to the Stability of a Quadratic Quartic Functional
 Equation in Paranormed Spaces
 > K. RAVI, J.M. RASSIAS, SANDRA PINELAS and R. JAMUNA (61 - 84)
 Properties of Certain One-parameter Family of Linear Operators
 > JAGNATH PATEL (85 - 108)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 24 Number 3 JULY 2014

CONTENTS

- Fractional Ostrowski and Gr^{\{u\}}ss Type Inequalities Involving Several Functions
 > George A. Anastassiou (1 - 14)
 Positive Periodic Solutions of Nicholson's Blowflies Model with Harvesting
 > Seshadev Padhi, Smita Pati and Ranjan Kumar (15 - 26)
 Results on Starlikeness of Certain Integral Operator
 > R. N. Mohapatra and Trailokya Panigrahi (27 - 34)
 Bounds for Spectra of Operators on Tensor of Euclidean Spaces
 > Michael Gil' (35 - 47)
 Convergence Theorems of Ishikawa Iteration Process for a Finite Family of Nearly Asymptotically
 Nonexpansive Mappings in Banach Spaces
 > Jong Kyu Kim and D. R. Sahu (48 - 74)

- Comparison of Smallest Eigenvalues for Certain Third Order Boundary Value Problems
 > Johnny Henderson and Rodica Luca (75 – 81)
- About a Regularization of Split Monotone Inclusions with Composite Operators
 > Abdellatif Moudafi and Yekini Shehu (82 – 90)
- New Classes of Second Order Invexities and Duality Models for Multiobjective Fractional Programming
 > R. U. Verma (91 - 112)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 24 Number 4 OCTOBER 2014

CONTENTS

- On Convergence of a Sequence of Nonlinear Durrmeyer Operators
 > H. KARSLI (1 – 13)
- Weak Reciprocal Continuity and Common Fixed Point Theorems in Menger Spaces Using Implicit Relation
 > S. MANRO (14 - 25)
- On the Stability of Solution Sets for Parametric Mixed General Vector Quasi Variational Inequality Problems
 > SALAHUDDIN (26 - 40)
- S - η -Invex Function and its Associated Generalized Variational Inequalities
 > G. C. NAYAK and P. K. DAS (41 - 55)
- Convergence to Minimum-Norm Fixed Points of Nonexpansive Mappings in Hilbert Spaces via Path Algorithms
 > B. G. AKUCHU (56 - 65)
- Polynomiography via Modified Jungck, Modified Jungck Mann and Modified Jungck Ishikawa Iteration Schemes
 > A. RAFIQ, M. TANVEER and S. M. KANG (66 - 95)
- The Sufficient Efficiency Conditions for Semiinfinite Multiobjective Fractional Programming Problems
 R. U. VERMA (96 - 105)

PANAMERICAN MATHEMATICAL JOURNAL
Volume 25 Number 1 JANUARY 2015

CONTENTS

- Several Fixed Point Theorems for Mappings Satisfying Contractive Conditions of Integral Type
 > Z. LIU, X. WANG, A. RAFIQ and S. M. KANG (1 - 14)
- The Decomposition for the Herz Spaces
 > H. WANG (15 - 28)
- Positive Solutions for Partial Difference Equations with Delays
 > T. CAI, S. M. KANG and C. Y. JUNG (29 - 41)
- Variants of Caristi's Fixed Point Theorem
 > SIMEON REICH and ALEXANDER J. ZASLAVSK (42 - 52)
- Generalized Calder \acute{o} n-Zygmund Operators and Commutators on Weighted Morrey Spaces
 > YAN LIN and G. SUN (53 - 65)

Multiple Positive Solutions for a System of Riemann-Liouville Fractional Order Two-Point Boundary Value Problems

> **S. N. RAO** (66 - 81)

On Stability, Ultimate Boundedness, and Existence of Periodic Solutions of Certain Third Order Differential Equations with Delay

> **JOHN R. GRAEF, D. BELDJERD and M. REMILI** (82 - 94)

Existence and Ulam Stabilities for Partial Fractional Random Differential Inclusions with Nonconvex Right Hand Side

> **S. ABBAS, M. BENCHOHRA and B. A. SLIMANI** (95 – 110)

PANAMERICAN MATHEMATICAL JOURNAL

Volume 25 Number 2 APRIL 2015

CONTENTS

A Fractional Boundary Value Problem with Separated Boundary Conditions

> **M. ACKERMAN, M. WANG AND G. YOST** (1 - 12)

Further Development of Stochastic Calculus on Time Scales

> **F. M. ATICI AND D. C. BILES** (13 - 24)

On the Convergence of Faster Modified Multi-step Iterations to Fixed Points for Zamfirescu Operators

> **A. RAFIQ, S. M. KANG AND C. Y. JUNG** (25 - 34)

New Results on Set-valued Vector Equilibrium

> **N. T. VINH AND P. T. HOAI** (35 - 51)

An Integral Type Fixed Point Theorem in Generalized Metric Space

> **B. D. PANT, S. CHAUHAN AND S. CHAUDHARI** (52 - 70)

Stability Analysis of Nonlinear Switched Difference Systems via the Comparison Method

> **A. YU. ALEKSANDROV, A. A. MARTYNYUK AND A. V. PLATONOV** (71 - 88)

Initial Oblique Derivative Problems for Nonlinear Hyperbolic Systems

> **SALAHUDDIN AND RAM U. VERMA** (89 - 101)

PANAMERICAN MATHEMATICAL JOURNAL

Volume 25 Number 3 JULY 2015

CONTENTS

Comparison Between Some Norm and Order Gauge Integrals in Banach Lattices,

> **D. Candeloro and Anna Rita Sambucini** (1 - 16)

Existence of Minimal and Maximal Solutions for a Second Order Quasilinear Dynamic with Integral Boundary Conditions,

> **Mohammed Derhab and Mohamed Nehari** (17 - 35)

Comparison Principles for Nonlinear Hybrid Differential Equations with Linear Perturbations of First Type,

> **Bapurao C. Dhage and Shyam C. Dhage** (36 - 46)

Some Bounds for Hardy Difference,

> **Kristina K. Himmelreich and Josip Pecaric** (47 - 63)

Coefficient Problems for Certain Analytic Functions Defined by Some Differential Operators,

> **Shigeyoshi Owa** (64 - 72)

Inequalities for the Riemann-Stieltjes Integral of Midpoint Separated Functions with Applications,

> **Silvestru Sever Dragomir** (73 - 87)

Common Fixed Points for ψ - (α, β, m) -contraction Pairs in Multiplicative Metric Spaces,

Shin Min Kang, Parveen Kumar and Sanjay Kumar (88 - 98)

PANAMERICAN MATHEMATICAL JOURNAL

Volume 25 Number 4 OCTOBER 2015

CONTENTS

- Univariate Right General High Order Fractional Monotone Approximation Theory,
> George A. Anastassiou (1 - 15)
- Oscillation of Fourth-order Nonlinear Dynamic Equations on Time Scales,
> John R. Graef and E. Tunc (16 - 34)
- Existence of Solutions for $p(x)$ -Solitons Type Equations in Several Space Dimensions,
> A. Dellal, Abdelghani Ouahab and Johnny Henderson (35 - 56)
- Some Subclasses of Meromorphically Multivalent Functions Involving the
Cho-Kwon-Srivastava Operator,
> Trailokya Panigrahi (57 - 70)
- Positive Solutions for a Fifth Order Nonlinear Neutral Delay Partial Difference Equation,
> Zeqing Liu, Meiling Yang, Shin Min Kang and Young Chel Kwun (71 - 94)
- Inequalities and Separation for a Biharmonic Elliptic Partial Differential Equation in the
Weighted Hilbert Space with an Application,
> Elsayed M. E. Zayed (95 - 108)
- A Novel Approach to the Chain Rule,
> Ram U. Verma (109 - 112)

PANAMERICAN MATHEMATICAL JOURNAL

Volume 26 Number 1 JANUARY 2016

CONTENTS

- Existence and attractivity results for Volterra type nonlinear multi-delay Hadamard-Stieltjes
fractional integral equations,
> S. Abbas, W. Albarakati and M. Benchohra (1 - 17)
- On solvability of a fourth-order nonlinear neutral delay difference equation,
> Z. Liu, X. Zhang, S.M. Kang and C.Y. Jung (18 - 37)
- Viscosity approximation methods for strongly continuous semigroups of asymptotically
nonexpansive mappings in CAT(0) spaces,
> Jinhua Zhu, Shih-sen Chang and Min Liu (38 - 53)
- System of nonlinear regularized nonconvex parametric variational inequalities,
> Salahuddin and R.U. Verma (54 - 65)
- Discrete calculus on a scaled number line,
> D. Clark, M. Olson, R. Ross, S. Stanley, A. St. Dizier and T. Auch (66 - 95)
- A new class of functions concerning with Caratheodory functions,
> Shigeyoshi Owa (96 - 100)

PANAMERICAN MATHEMATICAL JOURNAL

Volume 26 Number 2 APRIL 2016

CONTENTS

- A Fixed point approach to the stability of decic functional equation in
quasi- β -normed spaces,
> K. Ravi, J.M. Rassias, S. Pinelas and S. Sabarinathan (1 - 21)
- The combined Laplace Transform-Adomian Decomposition Method for
solving nonlocal initial-boundary value problems,

- > Ahcene Merad (22 - 37)
A convergence analysis for secant-like methods with applications to fractional calculus,
- > G.A. Anastassiou and I.K. Argyros (38 - 49)
The Birkhoff transformation of the Riccati equation and its applications to the generalized KdV-mKdV equation with any-order nonlinear terms,
- > E.M.E. Zayed and K.A.E. Alurrfi (50 - 62)
Generalized nonsmooth multifunctional vector B-variational inequality problems,
- > K. N. Mohanta and P. K. Das (63 – 73)
The generalized Newton's methods and local convergence analysis,
- > Ioannis K. Argyros and Ram U. Verma (74 - 79)
Higher order hybrid $(\phi, \eta, \omega, \pi, \rho, \theta, m)$ -invexity and parametric optimality conditions in discrete minmax fractional programming,
- > Ram U. Verma (80 - 94)
Existence of general random variational inequalities,
- > Salahuddin and R.U. Verma (95 – 103)

PANAMERICAN MATHEMATICAL JOURNAL

Volume 26 Number 3 JULY 2016

CONTENTS

- A Boundary value problem for fractional differential equations with Hadamard derivative and nonlocal conditions,
> W. Benhamida, S. Hamani and J. Henderson (1 - 11)
- On mixed equilibrium problems in Banach spaces,
> Gayatri Pany and S. Pani (12 – 24)
- Generalized parametric duality models in discrete minmax fractional programming empowered by second-order optimality conditions,
> Ram U. Verma and G. J. Zalmai (25 - 60)
- Uniform convergence of inexact viscosity approximation methods for Fixed-point problems,
> Alexander J. Zaslavski (61 - 70)
- New bounds for $\|C\|_{\infty} \|v\|_s$ functional for power series in Banach algebras via a Grüss-Lupaş type inequality,
> M. V. Boldea, S. S. Dragomir and M. Megan (71 - 88)
- Fixed point theorems for modified generalized Φ -Suzuki contraction in complete metric spaces,
> Min Liu, Jinhua Zhu and Ping Zuo (89 - 98)

PANAMERICAN MATHEMATICAL JOURNAL

Volume 26 Number 4 OCTOBER 2016

CONTENTS

- Characterizations of solvability of convex fuzzy optimization problem via the modified objective function method,
> Anurag Jayswal, Tadeusz Antczak and Shalini (1 – 15)
- On a duality fixed point theorem and an application,
> E. Chidume, C.G. Ezea and E.E. Otubo (16 – 23)
- New formulations for higher order parametric duality models in discrete minmax fractional programming,
> Ram U. Verma and G.J. Zalmai (24 – 43)
- The asymptotic mesh independence principle of Newton's method under weaker conditions,
> I.K. Argyros, S.M. Sheth, R.M. Younis and S. George (44 – 56)
- Convergence theorems for strictly \mathcal{J} -pseudocontractions with application to zeros of Gamma-inverse strongly monotone maps,
> C.E. Chidume, U.V. Nnyaba, O.M. Romanus and C.G. Ezea (57 - 76)
- Generalized vector variational inequalities and applications,
> Gang Wang, S.S. Chang, Salahuddin and Jingai Liu (77 – 88)

- On the Local Convergence of a secant like method in a Banach space under weak conditions,
 > **I.K. Argyros, S.K. Khattri and S. George (89 – 99)**
 Hybrid-type new generation Newton's methods with higher order convergence,
 > **Ram U. Verma (100 – 104)**

PanAmerican Mathematical Journal

Volume 27 Number 1 January 2017

CONTENTS

- Common fixed point results for compatible mappings of several types satisfying certain contractive conditions in multiplicative metric spaces,
 > **P. Kumar, S. Kumar, S. M. Kang and C. Y. Jung (1 - 14)**
 Local convergence of a two-step Newton-secant method for equations with solutions of multiplicity greater than one,
 > **Ioannis K. Argyros and S. George (15 – 28)**
 Fractional partial random differential equations with delay,
 > **M. Benchohra, A. Heris and J. Henderson (29 - 40)**
 Common fixed point theorems for a pair of mappings satisfying \mathcal{F} -contractive conditions of integral type,
 > **Z. Liu, Y. Yuan, S. M. Kang and C. Y. Jung (41 - 51)**
 On new sequence spaces using modulus function,
 > **H. K. Mishra, S. Nanda and P. Baliarsingh (52 - 66)**
 Global behavior and the rate of convergence of a system of two difference equations of exponential form,
 > **Vu Van Khuong and Mai Nam Phong (67 - 78)**
 Generalized set valued vector equilibrium problems,
 > **Salahuddin and R. U. Verma (79 - 97)**
 Higher-order parametric optimality conditions for discrete minmax fractional programming based on $(\mathcal{F}, \beta, \eta, \phi, \rho, \theta, m)$ -univexity,
 > **Ram U. Verma and Jianguo Liu (98 - 117)**

PanAmerican Mathematical Journal

Volume 27 Number 2 April 2017

CONTENTS

- Asymptotic estimates for unimodular Fourier multipliers on α -modulation space,
 > **Justin G. Trulsen (1 - 25)**
 Extending the applicability of semidefinite programs,
 > **Ioannis K. Argyros and D. R. Sahu (26 - 34)**
 On the convergence of new Implicit iterative schemes, in abstract spaces,
 > **Y. C. Kwun, Arif Rafiq, Shin M. Kang and C. Y. Jung (35 - 44)**
 Local convergence of accelerated Cauchy-type methods,
 > **I. K. Argyros and D. Gonzalez-Sanchez (45 - 53)**
 Hanson-Antczak-type generalized V -sonvexities in semiinfinite multiobjective fractional programs: Second-order parametric duality models,
 > **Ram U. and G. J. Zalmai (54 - 83)**
 Proximal methods with invexity and fractional calculus,
 > **G. A. Anastassiou, I. K. Argyros and S. George (84 – 89)**
 Deformed diagonal metrics on tangent bundle of order two and harmonicity,
 > **H. El Hendi and L. Belarbi (90 – 106)**

PanAmerican Mathematical Journal

Volume 27 Number 3 July 2017

CONTENTS

- The $p(x)$ -solitons in several space dimensions with variable exponent and infinitely many solutions,
> **A. Dellal, J. Henderson and A. Ouahab (1 - 25)**
- Approximating sequence of operators and coincidence points,
> **Donal O'Regan (26 - 32)**
- Variational inequality and best approximation in nonarchimedean Banach spaces,
>> **S. Nanda (33 - 39)**
- Asymptotic stability for implicit differential equations involving Hilfer fractional derivative,
> **Said Abbas, M. Benchohra and M. A. Darwish (40 - 52)**
- Extending the applicability of the Miranda results for Intermediate Value Theorem,
> **I. K. Argyros and D. R. Sahu (53 - 58)**
- Existence results of first-order differential systems with mixed quasimonotone nonlinearities and integral boundary conditions,
> **M. Derhab, T. Khedim and B. Messirdi (59 - 77)**
- Bounded positive Solutions and Mann iterative schemes for a second order neutral delay difference equation,
> **Tao Cai, S. M. Kang and C. Y. Jung (78 - 90)**
- Positive solutions of a third order neutral delay difference equation,
> **Qinhua Wu, S. Manro and S. M. Kang (91 - 101)**

PanAmerican Mathematical Journal

Volume 27 Number 4 October 2017

CONTENTS

- Strong differential subordination and superordination for multivalent functions involving inverse of the Dziok-Srivastava operator,
> **Lili Jena and Trailokya Panigrahi (1-25)**
- Growth of ρ - φ -order solutions of linear differential equations with entire coefficients,
> **Benharrat Belaïdi (26 - 42)**
- Multiple positive solutions for a variable exponent problem with nonlinear boundary conditions,
> **S. H. Rasouli and K. Fallah (43 -57)**
- Common fixed points for a pair of weakly compatible mappings concerning contractive conditions of integral type,
> **Z. Liu, X. Zhao, S. M. Kang and C. Y. Jung (58-70)**
- Hybrid fractional integral type programming,
> **Ram U. Verma (71-85)**
- A fixed point type iterative method and its dynamical behavior,
> **M. Fahad, W. Nazeer, S. M. Kang and C. Y. Jung (86-99)**
- Positive solutions of a fractional differential equation with nonlinear Riemann-Stieltjes type boundary conditions,
> **Seshadev Padhi and Smita Pati (100-107)**

PanAmerican Mathematical Journal

Volume 28 Number 1 January 2018

CONTENTS

Second and higher order duality of variational problems in general Banach spaces,
P. K. Behera, S. K. Padhan and R. N. Mohapatra (1 - 18)

Almost automorphic dynamic systems on time scales,
Moumini Kere and Gaston M. N'Guerekata (19 - 37)

Common stationary points for multivalued contractive mappings with delta-distance,
Zeqing Liu, Ying Liu, S. M. Kang and C. Y. Jung (38 - 54)

Absolute almost convergent functions,
S. Nanda (55 - 61)

Common fixed point theorems for contractive mappings of integral type with diminishing orbital diameters,
Zeqing Liu, Liping Lu, Shin M. Kang and C. Y. Jung (62 - 78)

Hybrid fractional integral type programming based on $(\phi, b, \beta, \eta, \omega)$ -univexities,
Ram U. Verma (79 - 100)

PanAmerican Mathematical Journal

Volume 28 Number 2 April 2018

CONTENTS

Comparison of smallest eigenvalues for second order nonlocal boundary value problems,
J. Henderson, K. Johnson, B. Pennington and J. Worsham (1 - 8)

Positive solutions of a first order neutral delay differential equation,
Hongye Yu, Chi Feng and Shin Min Kang (9 - 20)

On variational control problems in Banach spaces,
P. K. Behera, S. K. Padhan and R. N. Mohapatra (21 - 37)

Higher order parameter-free optimality models based on sounivexity for discrete minmax fractional programming,

Ram U. Verma and G. J. Zalmai (38 - 51)

Impulsive Hadamard fractional differential equations in Banach spaces,
A. Hammou, S. Hamani and J. Henderson (52 - 62)

Convergence ball of M^u's method for non-differentiable functions,
H. Ren, I. K. Argyros and S. George (63 - 71)

On a new semilocal convergence analysis for the Jarratt method,
I. K. Argyros, S. K. Khattri and S. George (72 - 90)

PanAmerican Mathematical Journal

Volume 28 Number 3 July 2018

CONTENTS

Successive approximations for the Darboux problem for implicit partial differential equations,
*** S. ABBAS, M. BENCHOHRA AND N. HAMIDI (1 - 10)**

Fixed point theorems for a new generalized F-Suzuki contractions in G-metric spaces,

* Z. LIU, M. HE, S. M. KANG AND C. Y. JUNG (11- 48)

Common fixed points for weakly compatible mappings satisfying contractive conditions of integral type in 2-metric spaces,

* Z. LIU, L. LU, H. WANG AND S. M. KANG (49 - 84)

On convergence rate of the splitting operator method for variational inequalities,

* SALAHUDDIN (85 -93)

On vector variational inequalities and E-pseudoconvex multiobjective programming problems,

* R. N. MOHAPATRA, K. SHUKLA AND V. LAHA (94 - 103)

PanAmerican Mathematical Journal

Volume 28 Number 4 October 2018

CONTENTS

Kalmar elementary complexity and von Neumann algebras,

* MARCO PEDICINI AND MARIO PIAZZA (1 - 28)

Common fixed points for some contractive mappings of integral type in 2-metric spaces and applications,

* Z. LIU, L. LU, S. M. KANG AND C. Y. JUNG (29 - 67)

On strongly convex functions of higher order for multiobjective optimization problems in terms of the Clarke's subdifferentials,

* VIVEK LAHA AND LALITA PANDEY (68 - 78)

Coupled fixed point theorems and stability of some set-valued contractive mappings,

* ZE QING LIU, YING LIU, XU LIU AND S. M. KANG (79 – 107)