Arif Rafiq

MANN TYPE ITERATION METHOD INVOLVING TWO STRICTLY HEMICONTRACTIVE MAPPINGS IN BANACH SPACES 133-141

Abstract: The purpose of this paper is to prove that the modified Mann iteration process can be applied to approximate the common fixed point of two strictly hemicontractive mappings in smooth Banach spaces.

Gajanan. A. Dhanorkar and J. N. Salunke

SEMICOMPATIBILITY AND FIXED POINT THEOREM IN AN UNBOUNDED G-METRIC SPACES 143-158

Abstract: In this paper we prove some fixed point theorems in an unbounded G-metric space.

B. Davvaz and S. Mirvakili

HYPERIDEALS IN TERNARY SEMIHYPERRINGS 159-185

Abstract: Ternary semihyperrings are one of the generalization of semirings. In this paper we study them and present several examples. Certain types of congruences on an additive inverse ternary semihyperring are characterized by using the notion of full $k$-hyperideals. It is also shown that the set of all full $k$-hyperideal
of an additively inverse ternary semihyperring forms a complete lattice. Also, we prove Green and Jordan Hölder theorems in ternary semihyperrings.

Xhevat Z. Krasniqi

ON $\varphi - |C, 1|_K$ SUMMABILITY OF ORTHOGONAL SERIES

Abstract: In this paper we present some sufficient conditions under which an orthogonal series is $\varphi - |C, 1|_K$ summable almost everywhere.

B. S. Choudhury, E. Karapinar and A. Kundu

TRIPLED FIXED POINT THEOREM IN PARTIALLY ORDERED PARTIAL METRIC SPACES

Abstract: Tripled fixed points are extensions of the idea of coupled fixed points introduced in a recent paper [Nonlinear Anal., 74 2011 4889-4897]. In this paper we establish a tripled fixed point theorem in the context of partial metric spaces which are generalizations of metric spaces meant for the study of denotational semantics of programming languages. Additionally, a partial order is defined on this space. The result is supported with an example. The methodology is a blending of analytic and order theoretic methods.

Saurabh Porwal and K. K. Dixit

A NOTE ON CONVOLUTION OF ANALYTIC FUNCTIONS

Abstract: In the present paper, authors study convolution properties for a subclass of analytic functions by adopting different
techniques. Our result improves results of previous authors.

L. E. Azar
AN EXTENDED FORM OF THE DISCRETE HILBERT INEQUALITY 227-238

Abstract: In this paper we introduce a new extension of Hilbert’s inequality with a constant factor involving the Hypergeometric and Beta functions. The equivalent form and some examples will be given.

Dibyendu Banerjee and Nilkanta Mondal
GROWTH OF GENERALIZED ITERATED ENTIRE FUNCTIONS 239-254

Abstract: Maximum modulus and maximum term of generalized iteration of entire functions of \((p, q)\)-order have been compared with that of the generating functions.

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