CONTENTS

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.

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

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

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

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

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.

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.

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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