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Some Fixed Point Theorems Of

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Lectures On Some Fixed Point Theorems Of Functional Analysis

In mathematics, a fixed-point theorem is a result saying that a function F will have at least one fixed point (a point x for which $F(x) = x$), under some conditions

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on F that can be stated in general terms. Results of this kind are amongst the most generally useful in mathematics.

Fixed-point theorem - Wikipedia

Recently, Alfuraidan in , gave some extensions of fixed point theorems in modular function spaces endowed with partial order relation, namely Ran and

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Reurings result in this context. On the other hand, the combination of metric fixed point theory and graph theory allows Jachymski in [2] to give an extension of Banach Contraction Principle in a metric space endowed with a graph.

Some Fixed Point Theorems in

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The purpose of this work is to study some properties of “Generating space of b-quasi-metric family” (simply G bq-family) and derive some fixed point theorems using some standard contractions. Presented theorems extend and generalize many well-known results in the literature of fixed point theory .

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Some fixed point theorems in generating space of b-quasi ...

In this work, some fixed point and common fixed point theorems are investigated in b-metric-like spaces. Some of our results generalize related results in the literature. Also, some examples and an application to integral

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equation are given to support our main results.

Some fixed point theorems in b-metric-like spaces | Fixed ...

FIXED POINT THEOREMS 1.1 FIXED POINTS. 1.1.1 Definition. A point x is said to be a fixed point for the transformation T if $T(x) = x$. In other words, a point

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which remains invariant under a transformation is known as a fixed point. Examples. 1. The mapping of the interval $[0, 1]$ into itself defined by $f(x) = m$

SOME FIXED POINT THEOREMS IN ANALYSIS

Horn, Some fixed point theorems for

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compact maps and flows in Banach spaces, Trans. Amer. Math. Soc. 149 (1970), 391-404. Zentralblatt MATH: 0201.46203 Mathematical Reviews (MathSciNet): MR267432 7.

Nussbaum : Some fixed point theorems

Altun I, Turkoglu D: Some fixed point

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theorems for weakly compatible multivalued mappings satisfying an implicit relation. Filomat 2008,22(1):13-21.

10.2298/FIL0801011A. MathSciNet Article MATH Google Scholar 11. Altun I, Turkoglu D: Some fixed ...

Some Fixed Point Theorems on

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Some results concerning fixed-point theorems for nonexpansive mappings on linear topological spaces have recently been obtained by Taylor [10] and also Tarafdar [9]. These results hold for nonexpansive mappings on a complete bounded set of a linear topological space. In the first section of this paper

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we have shown that similar results can be ...

Some fixed-point theorems on locally convex linear ...

We prove some theorems on the existence and uniqueness of fixed point for Reich-type contraction mappings and Geraghty-type mappings satisfying

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rational inequalities in modular metric spaces.

(PDF) Some fixed point theorems for mappings satisfying ...

In , Matthews discussed some properties of convergence of sequences and proved the fixed point theorems for contractive mapping on partial metric

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spaces: any mapping T of a complete partial metric space (X, p) into itself that satisfies, where $0 \leq \alpha < 1$, the inequality $p(Tx, Ty) \leq \alpha p(x, y)$, for all $x, y \in X$ has a unique fixed point.

Some Common Fixed Point Theorems in Partial Metric Spaces

Some Fixed Point Theorems in

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Dislocated Metric Space 2109 [6] Aage C.T., Salunke J.N., Some results of fixed point theorem in dislocated quasi-metric spaces. Bull. Marathwada Math. Soc. 9, 1-5 2008). [7] Daheriya R. D., Jain R, Ughade M., Some fixed point theorem for expansive type mapping in dislocated metric space. ISRN Math. Anal. 2012 ...

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Some Fixed Point Theorems in Dislocated Metric Space

In this section, we give some fixed point theorems arising from b-metric spaces. Also, we find an interesting comparison between (usual) metric spaces and b-metric spaces. Our first theorem about Banach's contraction principle in b-

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On Some Well Known Fixed Point Theorems in b -Metric Spaces

In this paper we have obtained some fixed point theorems on b -metric space which is an extension of a fixed point theorem by Hardy [13] and Reich [20].

Keywords: b -metric space, fixed point

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Turkish Journal of Analysis and Number Theory , 2014 2 (1), pp 19-22.

Some Fixed Point Theorems in b-metric Space

Fixed point theorems for some new nonlinear mappings in Hilbert spaces. September 2011; Fixed Point Theory and Applications 2011(1) DOI:

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10.1186/1687-1812-2011-51. Authors:
Lai-Jiu Lin.

(PDF) Fixed point theorems for some new nonlinear mappings ...

The fixed point theorems to be derived in §1 will be applied to a study of some convolution equations in §2. 1. Some fixed point theorems. Theorem 1. Let E

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be a topological space and let D be a family of pseudometrics which are continuous on E . Let F be a self-map of E such that (i) $S(Fx, Fy) = S(x, y)$ for all $x, y \in F$ and $S \in D$ and

SOME FIXED POINT THEOREMS AND CONVOLUTION EQUATIONS

In the present paper we prove two

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common fixed theorems for four mappings in complete 2-metric spaces. This theorem is a version of many fixed point theorems in complete metric spaces, given by many authors announced in the literature.

Some Fixed Point Theorems in 2-Metric Spaces | Semantic ...

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Abstract. The purpose of this work is to study some properties of “Generating space of b-quasi-metric family” (simply $\backslash(G_{\{bq\}}\backslash)$ -family) and derive some fixed point theorems using some standard contractions. Presented theorems extend and generalize many well-known results in the literature of fixed point theory .

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Some fixed point theorems in generating space of b-quasi ...

Olatinwo (2010) proved some fixed-point theorems using weak contraction of the integral type. Long, Son, and Hoa (2017) reestablished the uniqueness of two fuzzy weak solutions of fuzzy fractional partial differential equations via the unique fixed point of weakly contractive

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