

# Some Fixed Point Theorems Of Contraction Mappings In

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### Some Fixed Point Theorems Of

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

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 we have shown that similar results can be obtained by weakening the completeness condition to

#### **SOME FIXED POINT THEOREMS FOR GENERALIZED SPACES AND ...**

Some Fixed Point Theorems for Generalized  $\alpha$ -geraghty Contraction Mappings 233 Then  $T$  has a unique fixed point  $z \in X$  and  $\{T^n x\}$  converges to  $z$  for each  $x \in X$  In 2014, Popescu [26] studied the existence and uniqueness of a fixed point of  $\alpha$ -Geraghty contraction type mappings in complete metric space Definition 21 [26] Let  $T : X \rightarrow X$  be a mapping and  $\alpha : X \times X \rightarrow \mathbb{R}$  be a

#### **Some fixed point theorems for $(\alpha, \beta)$ -admissible Geraghty ...**

fixed point theorem for these contractions whenever the space is endowed with a graph Some interesting consequences of our theorems are also obtained The proved results generalize and extend various well-known results in the literature Some examples are illustrated for the usability of the results Keywords Fixed point  $(a, b)$ -admissible

#### **Lectures On Some Fixed Point Theorems Of Functional Analysis**

Some Fixed Point Theorems Of Functional Analysis By FF Bonsall Notes by KB Vedak No part of this book may be reproduced in any form by print,

microfilm or any other means with-out written permission from the Tata Institute of Fundamental Research, Colaba, Bombay 5 Tata Institute of Fundamental Research Bombay 1962 Introduction These lectures do not constitute a systematic ...

### **Some Fixed Point Theorems in Compact Metric Space**

paper we are trying to find some fixed-point theorems for self mapping on compact metric spaces, which generalized the results of Edelstein [2] Preliminaries Definition 11 Fixed point space: Let  $T$  be a self continuous mapping A space  $X$  is called a fixed point space if every continuous mapping  $T$  of  $X$  into itself, has a fixed point, in the sense that  $T(x_0) = x_0$  Definition 12 A class  $\{G_i\}$  of

### **SOME RANDOM FIXED POINT THEOREMS FOR ;L**

In the present paper, stochastic generalizations of some fixed point theorems for operators satisfying a ( $;L$ )-weak contraction condition and some other contractive conditions have been proved Keywords: Fixed point, Weak contraction, Random fixed point, Random operator 2000 AMS Classification: 47H10, 60H25 1 Introduction Fixed point theory has the diverse applications in different branches of

### **Some fixed point theorems in ordered partial metric spaces ...**

Some fixed point theorems in ordered partial metric spaces with applications Kanayo Stella Eke<sup>1\*</sup> and Jimevwo Godwin Oghonyon<sup>1</sup> Abstract: We defined the class of generalized weakly  $C$ -contractive mappings in partial metric spaces and proved some fixed-point results for such maps in ordered partial metric spaces without exploiting the continuity of any of the functions We also establish fixed

### **SOME FIXED POINT THEOREMS IN ANALYSIS**

FIXED POINT THEOREMS 11 FIXED POINTS 111 Definition A point  $x$  is said to be a fixed point for the transformation  $T$  if  $T(x) = x$  In other words, a point 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 on c-distance**

K Prudhvi, "Some Fixed Point Theorems on c-distance" American Journal of Applied Mathematics and Statistics, vol 5, no 1 (2017): 8-10 doi: 1012691/ajams-5-1-2 1 Introduction Huang and Zhang introduced the concept of a cone [9] metric space, they replaced set of real numbers by an ordered Banach space and proved some fixed point theorems for contractive type conditions in cone

### **On Some Common Fixed Point Theorems with Rational ...**

been extended and some fixed and common fixed point theorems obtained in [4-5] In [3], common fixed points for a pair of self mappings satisfying a rational expression have been obtained Quiet recently; Huang and Zhang[6] generalized the notion of metric space by replacing the real numbers by an ordered Banach space, thereby defining cone metric spaces They have investigated convergence in

### **SOME FIXED POINT THEOREMS FOR SET VALUED DIRECTIONAL ...**

FIXED POINT THEOREMS "FOR CONTRACTION MAPPINGS 457 with contraction constant If  $F$  satisfies a) for each  $x \in S$ ,  $y \in F(x) \subseteq S$ , there exists a  $z \in (x,y) \cap S$  with  $F(z) \subseteq S$ , (22) b) the mapping  $g : S \rightarrow [0, \infty)$  defined by  $g(x) = d(x, F(x))$  is  $S_e$ , (23) then  $F$  has a fixed point, that is  $x \in F(x)$  for some  $x \in S$  We first prove the following lemma which simplifies the proof of Theorem 1 LEMMA Under the

### **ON SOME FIXED POINT THEOREMS**

SOME FIXED POINT THEOREMS  $f : X \rightarrow I(X) = \{Z : Z \subseteq X + (Y \subseteq X) \in K, > -0\}$   $k$  This condition introduced by Halpern [10] and [11] is weaker than  $e \in K$   $f(x) \in K$  and is widely used in order to obtain fixed point results for mappings  $f : K \rightarrow X$  See eg Assad and Kirk [12], Caristi [13], Caristi and Kirk [14], Downing and Kirk [15] S Reich [3], Downing and

**Some fixed point theorems, J.**

In their 1951 manuscript entitled Some fixed point theorems, M L Cartwright and J E Littlewood proved that if the induced map on Caratheodory's prime ends has rational rotation number, then a connected basin boundary of an orientation preserving planar homeomorphism must contain a periodic orbit [CL]. In this note we explore the relationship between aperiodic maps induced on the

**REMARKS ON SOME FIXED POINT THEOREMS**

REMARKS ON SOME FIXED POINT THEOREMS teck-cheong lim Abstract A compact Hausdorff pseudo-topology is introduced on every closed convex bounded subset of a uniformly convex Banach space and is used to prove a previous theorem of the author In [7], we used a transfinite induction method which depends on the structure of the real line to prove the following fixed point theorem for ...

**Extended Rectangular b-Metric Spaces and Some Fixed Point ...**

Extended Rectangular b-Metric Spaces and Some Fixed Point Theorems for Contractive Mappings Zead Mustafa 1, Vahid Parvaneh 2, Mohammed MM Jaradat 1,\* and Zoran Kadelburg 3 ID 1 Department of Mathematics, Statistics and Physics, Qatar University, Doha, PO Box 2713, Qatar; zead@qu.edu.qa 2 Department of Mathematics, Gilan-E-Gharb Branch, Islamic Azad University, ...

**SOME GENERAL FIXED POINT THEOREMS ON TOPOLOGICAL ...**

SOME GENERAL FIXED POINT THEOREMS ON TOPOLOGICAL VECTOR SPACES 21 F 2B(X;Y)  $(\phi)F : X \rightarrow Y$  (Y is a map such that, for any natural  $n \in \mathbb{N}$ , any continuous function  $f : D \rightarrow X$ , and any continuous function  $p : F(D^n) \rightarrow D^n$ , the composition  $D \rightarrow F(D^n) \xrightarrow{f} X \xrightarrow{F} F(F(D^n)) \xrightarrow{p} D^n$  has a fixed point Example 21 Subclasses of the better admissible class B are classes of continuous functions C, the Kakutani maps ...

**A New Common Fixed Point Theorem for Three Commuting ...**

11/09/2020 · A New Common Fixed Point Theorem for Three Commuting Mappings Meryeme El Harrak \*,† and Ahmed Hajji † LabMIA-SI, Department of Mathematics, Faculty of Sciences, Mohammed V University in Rabat, Rabat BP1014, Morocco; hajid32@yahoo.fr \* Correspondence: elharrak57hollla@gmail.com † These authors contributed equally to this work Received: 10 August ...

**SOME COMMON FIXED POINT THEOREMS IN D\*- METRIC SPACE**

prove some common fixed point theorems using some generalized contractive conditions in D\*- metric space as a probable modification of the definition of D- metric spaces introduced by Dhage (1992) Definition 1 Let X be a non empty set A generalized metric (or D\*- metric) on X is a function  $D^*: X^3 \rightarrow [0, \infty)$  that satisfies the following conditions for each  $x, y, z, a \in X$  (1)  $D^*(x, y, z) \geq 0$

**SOME COMMON FIXED POINT THEOREMS - JSTOR**

Some Common Fixed Point Theorems in Vector Metric Spaces 107 Definition 6 A sequence  $(x_n)$  in a vector metric space  $(X; d; E)$  vectorial converges (or E-converges) to some  $x \in E$ ; written  $x_n \xrightarrow{d; E} x$ , if there is a sequence  $(a_n)$  in  $E$  satisfying  $a_n \neq 0$  and  $d(x_n; x) \leq a_n$  for all  $n$  Definition 7 A sequence  $(x_n)$  is called E-Cauchy sequence whenever there exists a sequence  $(a_n)$  in  $E$  such that  $a_n \neq 0$