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On The Fuzzy Metric Places

Selection properties in fuzzy metric spaces
In the literature there are several different definitions of fuzzy metric spaces [11], [7], [3], [4] In particular, Kramosil and Michalek [11] introduced fuzzy metric spaces based on the notion of continuous triangular norms that were the first time applied in [16] to modify the definition of probabilistic metric

ON THE FUZZY METRIC PLACES - IsrJournals
ON THE FUZZY METRIC PLACES R Srinivasan*, KRenganathan** introduced the concept of fuzzy metric space with the help of continuous t norms in1975 which opened an avenue for further development of analysis in such spaces which have very important applications in quantumphysics particularly in

ON FIXED POINT THEOREMS IN FUZZY METRIC SPACES
Fuzzy metric space is closely generalization of generalized Menger space Kramosil and Michalek [19] introduced fuzzy metric space, George and Veermani [11] modified the notion of fuzzy metric spaces with the help of continuous t-norms George and Veeramani[11] imposed some stronger conditions on the fuzzy metric space in

Some Fixed Point Theorems of Ciric´ Type in Fuzzy´ Metric ...
and Michalek [8] to introduce fuzzy metric spaces Later on, George and Veeramani [9,10] slightly changed its definition and provided a Hausdorff topology for it One of the most cited generalizations of the Banach contraction principle in probabilistic metric spaces is by Ciric´ [´ 11] More information about the fuzzy and probabilistic

ON SOME RESULTS OF ANALYSIS IN METRIC SPACES AND ...
METRIC SPACES AND FUZZY METRIC SPACES by MAGGIE APHANE submitted in ful llment of the requirements for the degree of MASTER OF

SCIENCE in the subject MATHEMATICS Standard fuzzy metric space, Fuzzy pseudo metric space, Metric identi cation, Fuzzy metric identi cation, Nonexpansive map, t nonexpansive map, t uniformly

Fuzzy Metrics and Statistical Metric Spaces

Fuzzy Metrics and Statistical Metric Spaces IVAN KRAMOSIL, JIØÍ MICHÁLEK The aim of this paper is to use the notion of fuzzy set and other notions derived from this one in order to define, in a natural and intuitivel justifiably waye, the notio onf fuzzy metric The

Characterizing Complete Fuzzy Metric Spaces Via Fixed ...

characterizing complete fuzzy metric spaces via fixed point properties has received little attention Indeed, despite the large backlog of published fixed point theorems, only appear in the literature a few efforts, with positive partial results, to obtain a suitable version of Caristi's theorem that allows us to

Product of Fuzzy Metric Spaces and Fixed Point Theorems

Product of fuzzy metric spaces 707 Corollary 37 If (X,M X,∗1) and (Y,M Y,∗2) are fuzzy metric spaces and if there exists a continuous t-norm Δ stronger than ∗1 and ∗2 then their Δ- product is a fuzzy metric space under Δ We now turn to the question of topologies in the …

Common Fixed Point Theorems for Six Self Mappings ...

metric spaces, many results showed contraction maps satisfying property(EA) in settings of fuzzy metric spaces for instance Kumar et al in [4], Sedghi et al in [3] and Imdad et al in [6] Popa and urkToglu [12] proved some xed point theorems …

Metric spaces - » Department of Mathematics

Topology of metric space Metric Spaces Page 3 The closure of a set is defined as Theorem (Alternative characterization of the closure) iff (is a limit point of) Proof Note that iff If then so Thus On the other hand, let Fix then Take Since Yet another characterization of closure

AFuzzyCommitmentScheme

contrast, our scheme is fuzzy in the sense that it accepts a witness that is close to the original encrypting witness in a suitable metric, but not necessarilyidentical This characteristic of our fuzzy commitment scheme makes it useful forapplications suchas biometricauthentication systems, inwhich data issubjecttorandom noise

Fuzzy simplicial sets - MIT Mathematics

METRIC REALIZATION OF FUZZY SIMPLICIAL SETS DAVID I SPIVAK Abstract We discuss fuzzy simplicial sets, and their relationship to (a mild generalization of) metric spaces Namely, we present an adjunction between the categories: a metric realization functor and fuzzy singular complex functor

FUZZY PARAMETERIZED FUZZY SOFT METRIC SPACES

FUZZY PARAMETERIZED FUZZY SOFT METRIC SPACES 27 3 fpfs-Metric Space De nition 31 Let Xbe a non-empty fuzzy set and Rbe the fuzzy set …

FUZZY DIFFERENTIAL SYSTEMS UNDER GENERALIZED METRIC ...

fuzzy di erential equations are given in [6, 13, 14] and, besides, [15, 16] include some results on higher order fuzzy di erential equations with crisp initial conditions For the study of some numerical methods for fuzzy di erential equations, see [2], and [17]{[20] On the other hand, the basic theory concerning metric spaces of fuzzy sets

A Fixed Point Theorem in Fuzzy Metric Spaces

fuzzy metric spaces by studying the relationship between the continuity and reciprocal continuity This gives new results which turns out to be a

material generalization of the results of Mishra [11] and also give an answer the open problem of Rhoades [15] …

Some new fixed point results in non-Archimedean fuzzy ...

that obtained a Hausdorff topology for this class of fuzzy metric spaces Recently, Mihe¸t [14] enlarged the class of fuzzy contractive mappings of Gregori and Sapena [7] and proved a fuzzy Banach contraction result for complete non-Archimedean fuzzy metric spaces, see also Vetro [15] Now, we briefly describe our reasons for being interested

NEW FIXED POINT RESULTS IN MODULAR METRIC AND ...

setting of fuzzy metric spaces and obtain some results of xed point for self-mappings de ned on a fuzzy metric space as consequence of those given for modular metric space An example is furnished to demonstrate the validity of the obtained results 1 Introduction and Preliminaries Modular metric spaces were introduced in [4, 5]

Some Modified Fixed Point Results in -Fuzzy Metric Spaces

ResearchArticle Some Modified Fixed Point Results in -Fuzzy Metric Spaces VishalGupta ,1 ManuVerma,1 andMohammadSaeedKhan 2 DepartmentofMathematic,MaharishiMarkandeshwar(DeemedtobeUniversi),Mullana,India

Topological Modeling with Fuzzy Petri Nets for Autonomous ...

Topological Modeling with Fuzzy Petri Nets for Autonomous Mobile Robots Javier de Lope 1, Dar o Maravall2, and Jos e G Zato 1 Dept Applied Intelligent Systems, Technical University of Madrid, Spain fjdlope,jzatog@euiupmes 2 Dept Arti cial Intelligence, Technical University of Madrid, Spain dmaravall@fiupmes Abstract In this paper a novel method of reference …

CRACKING FUZZY VAULTS AND BIOMETRIC ENCRYPTION ...

CRACKING FUZZY VAULTS AND BIOMETRIC ENCRYPTION Walter J Scheirer and Terrance E Boult∗ Securics Inc and University of Colorado at Colorado Springs