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Bitopological Spaces: Theory, Relations with Generalized
BITOPOLOGICAL SPACES: THEORY, RELATIONS WITH GENERALIZED ALGEBRAIC STRUCTURES, AND APPLICATIONS B.P. DVALISHVILI Tbilisi, Georgia ELSEVIER , 2005 Amsterdam - Boston - Heidelberg - London - New York - Oxford - Paris

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form spaces. Quasiuniforrn spaces play only an auxiliary role in the classical theory, because they determine in a natural way the corresponding bitopological spaces in the sense of Kelly. In the general theory such spaces are objects of study by themselves, as bitopological spaces of a special form.

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Description : This monograph is the first and an initial introduction to the theory of bitopological spaces and its

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Alblowi, Relative Continuity and New Decompositions of Continuity in Bitopological Spaces, International Journal of Modern Nonlinear Theory and Application, 10.4236/ijmnta.2014.35027, 03, 05, (248-255), (2014).

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In mathematics, a bitopological space is a set endowed with two topologies.Typically, if the set is and the topologies are and then the bitopological space is referred to as (,,)

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between two topologies are analyzed on one and the same set; the theory of ...

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North-Holland Mathematics Studies, Volume 199 by Badri
fuzzy set equipped with two fuzzy topologies is called a fuzzy bitopological space. Concepts of fuzzy ideals and fuzzy local function were introduced by Sarkar [5].The purpose of this paper is to suggest the fuzzy ideals

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One of the situations where bitopological spaces occur naturally are asymmetric metric spaces or quasi-metric spaces.They are defined as metric spaces, but the symmetry in the definition of metric is omitted.

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This paper gives a survey of and problems in the study of bitopological spaces. These keywords were added by machine and not by the authors. This process is experimental and the keywords may be updated as the learning algorithm improves. Translated from Zapiski Nauchnykh Seminarov Leningradskogo ...

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To confirm this idea, soft bitopological space (SBT) by soft bitopological theory was introduced. It makes it more flexible to develop the theory of soft topological spaces with its applications. Thus, in this paper, I make a new approach to the SBT space theory.

A New Approach to Hausdorff Space Theory via the Soft Sets
The concept of bitopological spaces has been introduced by Kelly [1]. Functions and continuous functions stand among the most important notions in mathematical science.

Relative Continuity and New Decompositions of Continuity
This paper is the third part of a survey of recent results in the theory of bitopological spaces. Translated fromZapiski Nauchnykh Seminarov POMI, Vol. 231, 1995, pp. 9â€“54.. Translated by N. Yu. Netsvetaev.

Problems of the theory of bitopological spaces. 3

.These concepts are discussed fuzzy bitopologies and several relations between different fuzzy bitopological ideals . Keywords: ... we mean a fuzzy bitopological space (fbts in short) in Nouh's [4 ... Fuzzy Bitopological Ideals Theory

Fuzzy Bitopological Ideals Spaces - PSU Staff
T1 concepts in fuzzy bitopological spaces 341 Deï¬,nition 2.11 [9] A fuzzy set u of (X;t) is called quasi-neighborhood (Q-nbd, in short) of x r ïï¬• there exists v 2 t such that x r qv and v â€° u .

T CONCEPTS IN FUZZY BITOPOLOGICAL SPACES
Soft Bitopological Spaces Basavaraj M. Ittanagi Department of Mathematics, Siddaganga Institute of Technology, Tumkur-572103, Karnataka State, India ... related properties and foundations of the theory of soft topological spaces. In 1963, J. C. Kelly[4], ï¬•rst initiated the concept of bitopological

Soft Bitopological Spaces - research.ijcaonline.org
The space (Xl x X2,7) is the bitopological product. The corresponding topological space (X1 x X2 â€œ X, x X2,7) is obtained from (X, x Xa x X2 x X2,/3 x/3-1) by transposition of the second and third factors, which transforms the bitopological structure/3 x/3-1 into

Certain properties of bitopological spaces - Springer
of bitopological spaces by using a topologic structure on the cartesian product of two sets. e re are several works on theory (e.g., [ ]) and application (e.g., [ ]) of

Research Article A New Approach to Hausdorff Space Theory
As a continuation of the study of operations in bitopological spaces introduced in [8], the aim of this paper is to introduce and study some separation axioms in bitopological spaces using the concept of operations on such spaces.

OPERATION-SEPARATION AXIOMS IN BITOPOLOGICAL SPACES - 1784
In particular, different families of subsets of bitopological spaces are introduced and various relations between two topologies are analyzed on one and the same set; the theory of dimension of bitopological spaces and the theory of Baire bitopological spaces are constructed, and various classes of mappings of bitopological spaces are studied.

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Bitopological Spaces Theory Relations With Generalized
of (i;j)Â¡pre open sets in fuzzifying bitopological spaces. The contains of this paper are arranged as follows: In section (3) we introduce the concepts of (i;j) Â¡ semiopen sets in fuzzifying bitopological spaces.

SOME RESULTS ON SEMI OPEN SETS IN FUZZIFYING BITOPOLOGICAL
A bitopological point-free approach to compacti cations Olaf Karl Klinke a, Achim Jung , M. Andrew Moshierb aSchool of Computer Science University of Birmingham Birmingham, B15 2TT England bSchool of Computational Sciences Chapman University

A bitopological point-free approach to compacti cations
On bitopological spaces by Marcus John Saegrove A Dissertation Submitted to the Graduate Faculty in Partial Fulfillment of The Requirements for the Degree of

On bitopological spaces - Iowa State University

Bitopological Spaces: Theory, Relations with Generalized Preface These are the notes of the second-year course Algebraic Structures I at Queen Mary, University of London, as I taught it in the second semester 2005Ã¢â‚¬â€œ2006.

Algebraic Structures And Applications Proceedings Of The
Pairwise Soft Connected in Soft Bitopological Spaces Ali Kandil Department of Mathematics, Faculty of Science, Helwan University, Helwan, Egypt Osama El-Tantawy Department of Mathematics, ... theory, Riemann Integration, and theory of measurement. In recent years, development in the fields of soft set theory and ...

Pairwise Soft Connected in Soft Bitopological Spaces
Australian Journal of Basic and Applied Sciences, 9(27) August 2015, Pages: 391-403 ... axioms have been introduced on multi-topological spaces and on multi bitopological spaces. The relations between these classes are also given. Some types of continuous ... Australian Journal of Basic and Applied Sciences, 9(27) August 2015, Pages: 391-403 ...

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Sobrification and bicompletion of totally bounded quasi
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Bitopological Spaces: Theory, Relations with Generalized
A bitopological space (X;Â¿1;Â¿2) is pairwise normal if and only if given a Â¿ 2 -closed set C and a Â¿ 1 -open set D such that C Âµ D, there are a Â¿ 1 -open set G and a Â¿ 2 -closed set F such that C Âµ G Âµ F Âµ D.

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