

**Republic of Iraq  
Ministry of Higher Education & Scientific Research  
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College of Computer Science and information  
Technolog  
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# **Some Properties on Fuzy Pseudo Metric Space**

**A Thesis**

**Submitted to the Council of the College of Computer  
Science and information Technolog, University of AL-  
Qadisiya as a Partial Fulfilment of the Requirements for the  
Degree of Bachelor of Science in Mathematics**

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**2017 .....1438**

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## *ABSTRACT*

The problem of constructing a satisfactory theory of fuzzy metric spaces has been investigated by several authors from different points of view. In particular, and by modifying a definition of fuzzy metric space given by Kramosil and Michalek, George and Veeramani have introduced and studied the following interesting notion of a fuzzy metric space (see [7,8,9,10]).

The study is divided in to three chapters, in chapter one study the Some properties of fuzzy pseudo metric space and introduce some important definition and examples.

In chapter two study some properties of Fuzzy pseudo metric spaces and uniformities and prove some theory. In chapter three we introduce Fuzzy metric identification.

## Introduced

The concept of fuzzy sets and fuzzy logic was introduced by Professor Lofti A Zadeh in 1965. The success of research in fuzzy sets and fuzzy logic has been demonstrated in a variety of fields, such as artificial intelligence, computer science, control engineering, computer applications, robotics and many more. Some properties on fuzzy pseudo metric space this reserch introduces the notion of a stationary fuzzy pseudo metric space . in the classical case it is well known that for every pseudo metric space there is a metric identification . we shall extend this to the fuzzy metric case by showing that for every station fuzzy metric identification of we shall also discuss some properties of uniformly continuous maps and extension of t-nonex pensive map in the context of fuzzy metric space note that most of the result presented in this chapter are our own contributions .

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