

**EXISTENCE AND UNIQUENESS OF NEW FIXED POINTS OF
(ψ, ϕ) CONTRACTIONS IN RECTANGULAR METRIC SPACES**

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Abstract: In this article, we prove existence and uniqueness of some new fixed points in rectangular metric spaces and confirm them with appropriate example. Also we give an analogue of Eshran et al. [9] fixed point result on rectangular metric spaces, which will generalize Muhammad Arshad et al. [5] fixed point results on rectangular metric spaces.

Keywords and Phrases: Metric Space, b-metric Space, rectangular metric space, fixed point, contraction mapping.

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1. Introduction

Fixed point theory has been one of the fastest growing fields in analysis over the past few decades. In this view fixed point theorems are the most important objects. The Banach Contraction Principle is a famous and useful theory that is frequently identified in the literature.

In a large number of subjects the old concept of metric space is designed for different researchers by changing the metric part. Among these generalizations,