

International J. of Pure & Engg. Mathematics (IJPEM)
ISSN 2348-3881, Vol. 2 No. II (August, 2014), pp. 75-84

\mathbb{B}_2 –METRIC SPACE AND FIXED POINT THEOREMS

R. KRISHNAKUMAR¹ AND D. DHAMODHARAN²

¹ Department of Mathematics,
Ururu Dhanalakshmi College, Tiruchirappalli-620019, India

² Department of Mathematics,
Jamal Mohamed College (Autonomous),
Tiruchirappalli-620020, India

Abstract

In this paper we introduce \mathbb{B}_2 –metric spaces and prove some fixed point theorems of contractive mapping on \mathbb{B}_2 –metric spaces.

Key Words : \mathbb{B}_2 –metric spaces, Fixed point, Contractive mapping.

2000 AMS Subject Classification : Primary 54H25, Secondary 47H09, 47H10.

© <http://www.ascent-journals.com>