

GENERALIZED FIXED POINT THEOREMS IN DISLOCATED METRIC SPACES

A. MURALIRAJ¹ AND R. JAHIR HUSSAIN²

¹ Department of Mathematics,
Urumu Dhanalakshmi College, Kattur, Tiruchirappalli-620 019,
TamilNadu, India

² P. G. and Research Department of Mathematics,
Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020,
TamilNadu, India

Abstract

In this paper the concept of generalized contraction mappings has been used in proving fixed point theorems. we establish some new common fixed point theorems in complete dislocated metric spaces using contraction mappings. The presented results extend and complement some known existence results from the literature.

Key Words and Phrases : *Fixed point, Common fixed point, Dislocated metric linear space.*

1991 AMS Subject Classification : Primary 54H25; Secondary 47H10, 54H25.

© <http://www.ascent-journals.com>