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IMPACT OF SUBCOMPATIBILITY AND CONTRACTIVE CONDITIONS TO COMMON FIXED POINT THEOREMS IN *G*-METRIC SPACES

KRISHNAPAL SINGH SISODIA¹, DEEPAK SINGH²

AND M. S. RATHORE³

¹ Deptt. Of Mathematics, SISTec-E, Ratibad, Bhopal, India
² NITTTR, Bhopal, Ministry of HRD, Govt. of India
³ C. S. A. Govt. P G College, Schore, India

Abstract

In this paper, we establish some common fixed point theorems using sub-compatibility and sub-sequentially continuity in *G*-metric space satisfying some generalized contractive conditions. On the other hand some results are obtained using weakly compatible mappings. We substantiate our results by giving suitable examples.

Key Words : G-metric space, Sub-compatible, Sub-sequentially continuous, Weakly compatible mapping, Common fixed point.

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