NEW EXTENSION OF SOME COMMON FIXED POINT THEOREMS IN COMPLETE METRIC SPACES

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Abstract. In the current paper, some common fixed point theorems are presented for generalized $\varphi$-weak contraction mappings and $A_\varphi$-contraction mappings. Also, we examine the existence and uniqueness of common fixed points for single-valued mappings satisfying the notion of weak compatibility in a complete metric space. Our results generalize and extend many results existing in literature.

Key Words and Phrases: Common fixed point, complete metric space, weakly compatible maps.

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