SOME COMMON FIXED POINT THEOREMS ON COMPLETE AND INCOMPLETE METRIC SPACES

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Abstract

We prove some fixed point and common fixed point theorems in complete and incomplete metric spaces under generalized contractive conditions. Our results extend and improve the results of Tascovic [2], Som [3] and Som and Nath [4] for a single and for a pair of self mappings. We also prove a common fixed point theorem for two composite self mappings using the notion of weakly compatible mappings in a complete metric space.