

COINCIDENCE PROBLEMS UNDER CONTRACTIVE TYPE CONDITIONS

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Abstract. The main purpose of this paper is to establish some new results about the existence and uniqueness for coincidence problems for two single-valued mappings. Moreover, we present some applications of our results to the existence and uniqueness of solutions of some boundary value problems.

Key Words and Phrases: Coincidence problem, altering distance function, comparison function, ϕ -contraction, differential equation.

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