SOME RESULTS ON STABILITY OF COUPLED FIXED POINT ITERATIONS IN METRIC SPACES

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ABSTRACT. In this paper, some coupled fixed point stability results for one and two metrics are obtained in complete metric spaces by using some general contractive conditions some of which involve comparison functions. Our results are generalizations and extensions of [M.O. Olatinwo: *Some stability results in complete metric space*, Acta Univ. Palack. Olomuc. Fac. Rerum Natur. Math., **48**(2009), 83-92] and [M.O. Olatinwo: *Stability of coupled fixed point iterations and the continuous dependence of coupled fixed points*, Comm. Appl. Nonlinear Anal., **19**(2012), No. 2, 71-83] as well as some others in the literature.

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