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Erratum

Common Fixed Point Theorems for Hybrid Pairs of Occasionally Weakly Compatible Mappings Satisfying Generalized Contractive Condition of Integral Type Revisited

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We are indebted to Valeriu Popa for pointing out our error in [1]. In looking again at the paper, we came up with the following example.

Let $X = [0,1]$ with the usual metric, and define $f = g : X \to X$, $T : X \to CB(X)$ by $fx = 1 - x$, $Tx = \{0,1\}$. Since $f = g$, every point is a coincidence point, and $fTx = Tfx$. Also, $H(Tx,Ty) = 0$ for all x and y, and $d(fx,gy) \neq 0$ for $x \neq y$, so f and T satisfy the hypotheses of all theorems and corollaries in [1], but f and T have no common fixed point.

Thus, it is not surprising that there are a number of papers involving hybrid pairs in which the conclusion of the theorems is not a common fixed point, but a common coincidence point (see, e.g., [2–10]). To obtain a common fixed point, a number of theorems assume the strong condition that the common coincidence point is also a fixed point of one of the maps.

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