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A generalization of Brian Fisher's theorem.

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Suppose S and T are self-maps of a complete metric space (X, d) satisfying the inequality: $d(Sx, TSy) \leq c \cdot \max\{d(x, Sx), d(x, Sy), d(Sy, TSy), ((x, TSy) + d(Sx, Sy))/2\}$ for all $x, y \in X$, where $0 \leq c < 1$. Brian Fisher has proved that if either S or T is continuous then S and T have a unique common fixed point. In this paper, we obtain a generalization of this result by relaxing the completeness of X and dropping the condition of continuity. (Author's abstract)

Classification: I95

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