

On a theorem of Brian Fisher in the framework of w -distance

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ABSTRACT.

In 1980. Fisher in [Fisher, B., *Results on common fixed points on complete metric spaces*, Glasgow Math. J., **21** (1980), 165–167] proved very interesting fixed point result for the pair of maps. In 1996. Kada, Suzuki and Takahashi introduced and studied the concept of w -distance in fixed point theory. In this paper, we generalize Fisher's result for pair of mappings on metric space to complete metric space with w -distance. The obtained results do not require the continuity of maps, but more relaxing condition $(C; k)$. As a corollary we obtain a result of Chatterjea.

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