

Common best proximity points for proximity commuting mapping with Geraghty's functions

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ABSTRACT.

In this paper, we prove new common best proximity point theorems for proximity commuting mapping by using concept of Geraghty's theorem in complete metric spaces. Our results improve and extend recent result of Sadiq Basha [Basha, S. S., *Common best proximity points: global minimization of multi-objective functions*, J. Glob Optim, **54** (2012), No. 2, 367-373] and some results in the literature.

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