Abstract

A common fixed point theorem using EA-property for four weakly compatible maps is obtained in the setting of G-metric spaces without exploiting the notion of continuity. Our results generalize the results of Abbas and Rhoades[7], and Manro et. al. [11]. Moreover, we show that these maps satisfy property R. Applications to certain integral equations and functional equations are also obtained.

References

Common Fixed Point Results in G-Metric Spaces and Applications


Index Terms

Computer Science

Applied Mathematics

Keywords

Common Fixed Point  G-Metric Spaces  F-maps  Weakly Compatible Maps  E. A. Property

Property R

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