Abstract

In this paper, we obtain some Suzuki-type fixed point results in G-metric spaces and as well as discuss the G-continuity of the fixed point. The direction of our extension/generalization is new and very simple. An illustrative example is also given to show that our main result is extension of the existing ones. Moreover, we show that these maps satisfy property P. Application to certain class of functional equations arising in dynamical programming is also obtained.

References

- M. Abbas and B. E. Rhoades, Common fixed point results for noncommuting

**Index Terms**

Computer Science

Applied Sciences

**Keywords**

G-metric Space  Fixed Point  Suzuki Contraction  G-continuity  Property P  Functional Equation