Abstract

In this paper, a new modified two-step iterative method for approximating fixed points of quasi-contractive operators is presented. It is demonstrated with some examples using an empirical approach that this iteration method performs better than some well known iterations for quasi-contractive operators satisfying Zamfirescu's conditions.

References

- GVR. Babu, KNVV. Prasad, Mann iteration converges faster than Ishikawa iteration for the class of Zamfirescu operators, Fixed Point Theory Appl, (2006), 1-6. Article ID 49615.

**Index Terms**

Computer Science

Applied Mathematics

**Keywords**

Zamfircu operators  Quasi-contractive operators  Metrizable spaces