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 conditions.
Empirical Comparison of some Iteration Methods in the Class of Quasi-Contractive Operators


Index Terms

Computer Science  Applied Mathematics

Keywords

Zamfirescu operators  Quasi-contractive operators  Metrizable spaces