Abstract

In this paper we apply our former result [S. Lazaiz, K. Chaira, M. Aamri, and E. M. Marhrani. Some remarks on Caristi type fixed point theorem. International Journal of Pure and Applied Mathematics, 104 (4): 585–597, 2015] to give a new results of iterated contraction mapping in complete metric space. As application we investigate the existence and uniqueness of solution for the nonlinear integral equation.


Index Terms

Computer Science

Information Sciences
Keywords

Fixed point, Caristi's theorem, Remarks, Nonlinear Integral equations