COMMON FIXED POINT THEOREM FOR NONCOMPATIBLE MAPS IN PROBABILISTIC METRIC SPACE

Suneel Kumar, Sunny Chauhan and B. D. Pant

Abstract. In this paper, we prove a common fixed point theorem for noncompatible maps in probabilistic metric space using implicit relation. Our result does not require either the completeness of the space or continuity of the maps.

References


2010 Mathematics Subject Classification: 54H25; 47H10.

Keywords: Probabilistic metric space; Noncompatible maps; Weakly compatible maps; Implicit relation; Property (E.A).

http://www.utgjiu.ro/math/sma


Suneel Kumar
Government Higher Secondary School, Sanyasiowala, PO - Jaspur (U.S.Nagar), Uttarakhnd, India 244712.
e-mail1: ksuneel_math@rediffmail.com
e-mail2: suneelchauhan@yahoo.in

Sunny Chauhan
Department of Mathematics, R.H. Government Postgraduate College, Kashipur, Uttrakhand, India 244713.
e-mail: sun.gkv@gmail.com

B. D. Pant
Government Degree College, Champawat, Uttrakhand, India.
e-mail: badridatt.pant@gmail.com