A COMMON FIXED POINT THEOREM IN HILBERT-SPACE

MAMTA PATEL¹ & SANJAY SHARMA²

¹Department of Applied Mathematics, Chhatrapati Shivaji Institute of Technology, Chhattisgarh, India ²Department of Applied Mathematics, Bhilai Institute of Technology, Durg, India

ABSTRACT

In this paper we obtain the fixed point theorem for eight continuous random operators defined on a non empty closed subset of a separable Hilbert-Space.

Mathematics Subject Classifications: 47H1054H25

KEYWORDS: Separable Hilbert Space, Random Operators, Common Fixed Point, Rational Inequality