

APPLICATIONS OF JS-PREŠIĆ FIXED POINT THEOREM TO A SYSTEM OF NONLINEAR FRACTIONAL INTEGRAL EQUATIONS VIA MEASURE OF NONCOMPACTNESS

ANUPAM DAS AND MALLIKA SARMAH

Abstract. This paper presents an extension of the well-known fixed point theorem of Darbo in a Banach space. Using the Prešić type fixed point theorem, which is a generalization of Darbo's fixed point theorem, we investigate the existence of solutions of a system of nonlinear fractional integral equations. Additionally, a suitable example has been given to illustrate the applicability of our findings.

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