

Well-Posedness for the Time Fractional Biharmonic Equation With Exponential Nonlinearity and Memory Effects

Nguyen Anh Tuan

nguyenanhtuan@tdmu.edu.vn

Abstract

In this work, we investigate the IVP for the time fractional biharmonic equation with exponential nonlinearity and memory effects. By using some properties of the Mittag Leffler function, the Gamma function and the Banach fixed point theorem, we obtain the results about the local in time solution and the global in time solution for our problem