

1092-34-96

Jeffrey Thomas Neugebauer* (jeffrey.neugebauer@eku.edu), Eastern Kentucky University, Richmond, KY 40475. *Existence of Positive Solutions of a Right Focal Fractional Boundary Value Problem.*

A recent fixed point theorem, an extension of the Leggett-Williams fixed point theorem, is applied to a fractional differential equation with order between 1 and 2 satisfying right focal boundary conditions to show the existence of positive solutions of the boundary value problem. (Received August 01, 2013)