

1163-34-210

Johnny Henderson* (johnny_henderson@baylor.edu), Department of Mathematics, Baylor University, Waco, TX 76798-7328, and **Kadda Maazouz** (mzkadda@gmail.com), Department of Mathematics, University of Tiaret, 14000 Tiaret, Algeria. *Existence results for Katugampola fractional differential equations for boundary value problems.*

This talk deals with the existence and uniqueness of solutions for fractional differential equations for boundary value problems involving the Katugampola fractional derivative by using the Banach contraction principle, Schauder's fixed point theorem and Schaefer's fixed point theorem. (Received August 27, 2020)