Dedicated to Prof. Billy E. Rhoades on the occasion of his 90th anniversary

Uniqueness of solutions for a fractional thermostat model

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Abstract.

In this paper, we present a sufficient condition for the uniqueness of solutions to a nonlocal fractional boundary value problem which can be considered as the fractional version to the thermostat model. As application of our result, we study the eigenvalues problem associated and, moreover, we get a Lyapunov-type inequality.

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