

Control of systems with Hölder continuous functions in the distributed delays

NASSER-EDDINE TATAR

ABSTRACT.

An exponential stabilization result is proved for a doubly nonlinear distributed delays system of ordinary differential equations. The problem involves non-Lipschitz continuous distributed delays of non-Lipschitz continuous "activation" functions. This extends similar previous works where the distributed delays as well as the activation functions were assumed to be Lipschitz continuous.

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DEPARTMENT OF MATHEMATICS AND STATISTICS
KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DHAHRAN 31261, SAUDI ARABIA
E-mail address: tatarn@kfupm.edu.sa