

Local and global null controllability of a nonlinear parabolic system with a multiplicative control in moving domains

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Seminar PDE, May 26th, 2023

Abstract

This presentation deals with the local and global null controllability of a nonlinear parabolic coupled system in a domain whose boundary moves in time by a control force with a multiplicative part acting on a prescribed subdomain. Our approach relies on an application of Liusternik's inverse mapping theorem that demands the proof of suitable Carleman estimate.

References:

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