

controllability of infinite systems: a case of a coupled parabolic system

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Abstract

The main objective of this talk is to study the boundary controllability for a system of two coupled degenerate/singular parabolic equations with a control acting on only one equation. We give boundary controllability properties. Besides, we provide an estimate on the null-control cost. The proofs are based on the use of the moment method together with some results on biorthogonal families.

keywords: Controllability, Coupled systems, Degenerate/singular equations, moment method.

References

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