

# The Stabilization Of The Problem Of Transmission Of The Wave Equation with dynamical control

Zhiling Guo<sup>1</sup> and Shugen Chai<sup>1</sup>

<sup>1</sup>Shanxi University

December 26, 2020

## Abstract

In this paper, we address exponential stablization of transmission problem of the wave equation with dynamical boundary conditions. Using the classical energy method and multiplier technique, we prove that the energy of system exponentially decays.

## Hosted file

manuscript.pdf available at <https://authorea.com/users/385238/articles/500728-the-stabilization-of-the-problem-of-transmission-of-the-wave-equation-with-dynamical-control>