

Konul Sh. JABBAROVA

## BOUNDARY CONTROL PROBLEM FOR STRING VIBRATIONS EQUATION. II

### Abstract

*In the paper we consider string vibrations equation. Assuming that the state of a string is given at initial time, we study a problem on finding such boundary controls at the ends of a string that reduce the state of a string to given state at finite time. In the paper we establish necessary and sufficient conditions on initial and finite functions and in fulfilling these conditions we find obvious form of desired controls.*

The present paper is continuation of the paper [1]. Therefore statement of the text and enumeration of formulae of the present paper is direct continuation of the paper [1]. Notice that by accomplishing this paper we have used some facts from the paper [2].