

Hikmet T. TAGIYEV

ON THE EXISTENCE OF THE SOLUTION OF  
NONLOCAL CONDITION OPTIMAL CONTROL  
PROBLEM FOR HYPERBOLIC TYPE EQUATION

Abstract

*In the paper, a nonlocal condition optimal control problem is considered for a second order hyperbolic equation. At first, the existence of the solution of initial boundary value problem is proved for each control. Then a theorem on the existence of optimal control is proved.*