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**THE NECESSARY OPTIMALITY CONDITION FOR A CLASS OF THE
SECOND ORDER CONTROLLABLE HYPERBOLIC PROBLEMS WITH
DISCONTINUOUS SOLUTIONS**

Abstract

In this article the problem of minimization of nonlinear multipointual functional on solutions of some class of the contact-boundary problems for nonlinear hyperbolic system with control is considered. For this optimal control problem under some conditions on data the necessary condition of optimality for control has been found.