

Rafig A.TEYMUROV

STUDY OF ONE CLASS PROBLEMS MOVING  
SOURCES IN SYSTEMS OF OPTIMAL CONTROL  
BY WITH THE DISTRIBUTED PARAMETERS

Abstract

*For the solution of a problems of optimal control of moving sources which condition is described by totality of parabolic type equation and systems of the ordinary differential equations, existence and uniqueness theorems are proved, sufficient conditions of differentiability of a target functional and an expression for its gradient are obtained, necessary conditions of optimality in the form of integral maximum principles are established.*