

Rafig K. TAGIYEV, Rashid A. KASUMOV

**A PROBLEM OF OPTIMAL CONTROL OF
COEFFICIENTS OF A PARABOLIC EQUATION
WITH OPTIMIZATION ALONG THE BOUNDARY
OF THE DOMAIN**

Abstract

For a problem of optimal control of coefficients of a parabolic equation with optimization along the boundary of the domain, the issues of well-posedness of the problem statement were studied and a necessary optimality condition in the form of variational inequality was established.