

JAFAROV N.J.

**UNIQUE WEAK SOLVABILITY OF THE FIRST BOUNDARY VALUE
PROBLEM FOR A HILBARG-SERRIN PARABOLIC EQUATION IN NON-
CYLINDRIC DOMAINS**

Abstract

The first boundary value problem for a Hilbarg-Serrin parabolic equation is considered in the paper. Its unique weak solvability in corresponding weight spaces of Sobolev is established.