

**ESTIMATION AT $t \rightarrow \infty$ OF PROBLEM SOLUTION
ON DISTRIBUTION OF HEAT IN HALF-SPACE WITH
VARIABLE COEFFICIENT OF HEAT CONDUCTIVITY**

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The study investigates initial-boundary value problem for heat conductivity equation with variable coefficient of heat conductivity.

The theorem of existence and singleness of solution is proved; asymptotic estimation of solution at $t \rightarrow \infty$ is built.