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THE UNIQUE STRONG SOLVABILITY OF THE
MIXED BOUNDARY VALUE PROBLEM FOR
LINEAR NON-DIVERGENT PARABOLIC
EQUATIONS OF THE SECOND ORDER IN THE
SPACE SOBOLEV

Abstract

The mixed boundary value problem is considered for linear non-divergent parabolic equations of the second order with generally speaking, discontinuous coefficients satisfying Cordes conditions. The one-valued, strongly (almost everywhere) solvability of this problem is proved in the space $\hat{W}_p^{2,1}$, where p belongs to same segment containing the point 2.