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THE FIRST BOUNDARY VALUE PROBLEM FOR
CORDES TYPE LINEAR NON-DIVERGENT
PARABOLIC EQUATIONS OF THE SECOND
ORDER

Abstract

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