

ESTIMATE OF GROWTH OF MIXED  
DIFFERENTIATION OF RESOLVENT OF  
ANISOTROPIC DIFFERENTIAL OPERATORS

Abstract

*In the present paper we study some class of differential-operator equations determined in  $R^n$  and having in the main part the different derivatives by different variables, moreover in general with unbounded operator coefficients.*

*Using coercive solvability of the given problem in the abstract  $L_p$ -spaces the estimations of resolvent of the given differential operators are studied. At this the estimations of growth of mixed differential resolvent are constructed depending on the spectral parameter  $\lambda$ . The established estimations of resolvent of the operator  $L$  have different applications in spectral theories of differential operators.*