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ON CONVERGENCE OF SPECTRAL EXPANSIONS
FOR ONE DISCONTINUOUS PROBLEM WITH
SPECTRAL PARAMETER IN THE BOUNDARY
CONDITION

Abstract

In this paper basic properties of eigenfunctions of discontinuous spectral problem for the second order differential operator with spectral parameter in the boundary condition in spaces $L_p \oplus \mathbb{C}$ and L_p , $1 < p < \infty$, are studied.