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ON THE SOLVABILITY OF A BOUNDARY VALUE  
PROBLEM FOR A CLASS OF SECOND ORDER  
OPERATOR-DIFFERENTIAL EQUATIONS WITH  
DISCONTINUOUS COEFFICIENT AT A SECOND  
ORDER DERIVATIVE

Abstract

*Sufficient conditions for operator coefficients of a second order operator-differential equation with discontinuous coefficient at the second order derivative are found. These conditions provide a well-posed and unique solvability of a boundary value problem for this equation.*