

Abulfaz M. MAMEDOV

ON CORRECT SOLVABILITY OF ONE CLASS OF
THIRD ORDER OPERATOR-DIFFERENTIAL
EQUATIONS ON THE WHOLE OF AXIS

Abstract

In the paper the conditions of correct and one-valued solvability of one class of operator-differential equations of the third order with discontinuous coefficients on the whole of axis are obtained, moreover the principal part of operator-differential equations contain a normal operator. These conditions are expressed by the properties of the coefficients of the operator-differential equation.