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ON THE NORMALITY PROBLEM FOR THE FIRST ORDER
DIFFERENTIAL OPERATORS

Abstract

A relation between the formal normality property of a minimal operator, generated by a first order differential expression with variable operator coefficients in a Hilbert space of vector-functions on a final segment, and operator coefficient of a differential expression that generates it, is studied in the paper.

All normal extensions of a minimal operator in terms of boundary conditions under admissible coefficients are also described.