

SOLVABILITY OF DIFFERENTIAL EQUATIONS WITH PERIODIC OPERATOR COEFFICIENTS USING GREEN'S FUNCTION

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ABSTRACT

In this paper, a Green's function has been derived with which a theorem is established that proves the uniqueness of the solution of a second order functional differential equation with periodic operator coefficients under some conditions on the unbounded operator. This operator has a domain and a range belonging to Hilbert's Space.

KEYWORDS: Functional Differential Equations, Periodic Operator Coefficients, Green's Function

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