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VARIATION OF PARAMETERS FORMULA FOR LINEAR INTEGRO DIFFERENTIAL EQUATION ON TIME SCALES

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Abstract

The aim of this work is to establish the solution of integro differential equation on time scales using variation of parameters formula. Then an equivalent linear differential system to the integro differential equation is developed.

Key Words: Integro differential equation, Differential equation, Time scale, Variation of parameter.

AMS Subject Classification: 45D05, 45J05, 47G20.

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