Kafr El-Sheikh

Faculty of Science

Department of Mathematic

رIntegral Equations 329 د

تناول بالبحث احد الموضوعات الاتية

(1) on Laplace transformation.

(2) Piecewise continuous, Periodic functions and Laplace transformation for it.

(3) Inverse of Laplace transformation.

(4) Convolution product of two continuous function on the interval [0,b] and Laplace transformation for it.

(5) Solution of second order differential equation with initial conditions using Laplace transformation.

- (6) Successive approximation for solving the Volterra integral equation from second kind (Resolvent kernel)
- (7) Decomposition method. And series method for solving the Volterra integral equation from second kind.
- (8) Reduce of second order differential equation with initial conditions to the Volterra integral equation from second kind and solve it.

(9) solution of Volterra integral equation of second kind from convolution type using Laplace transformation.

(10) on the set of functions which there is Laplace transformation for it

Mathematic Third year

second term Exam