

ITERATIVE METHOD FOR POSITIVE SOLUTION OF A NONLINEAR QUADRATIC INTEGRAL EQUATIONS

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Abstract

In this paper we prove the existence as well as approximations of the positive solutions for a nonlinear quadratic integral equation of Volterra type. By using results on Dhage iteration method embodied in a recent hybrid fixed point theorem of Dhage (2014) in partially ordered normed linear spaces.

Key Words : *Quadratic Volterra integral equation, Approximate positive solution, Fixed point theorem.*

AMS Subject Classification : 45G10, 47H09, 47H10.

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