ON FREDHOLM TYPE INTEGRAL EQUATION IN TWO VARIABLES

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Abstract. The aim of this paper is to study some basic properties of solutions of a certain Fredholm type integral equation in two variables. The tools employed in the analysis are based on the applications of the Banach fixed point theorem and the new integral inequality with explicit estimate.


Keywords and phrases: Fredholm type integral equation, two variables, Banach fixed point theorem, integral inequality, Bielecki type norm, existence and uniqueness, estimates on the solutions.

REFERENCES


