

On a functional Fredholm integral equation, via the technique of nonexpansive operators

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ABSTRACT.

In this paper we present one result relative to existence of solutions of the functional Fredholm integral equation with deviating argument by nonexpansive operators technique

$$u(x, y) = f(x, y, g(u(x, y))) + \int_a^b \int_a^b K(x, y, s, t, u(s, t)) ds dt, \quad x, y \in [a, b]$$

in a subset of a Banach space.

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