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Positive solutions of nonlinear functional-integral equations

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ABSTRACT. In this paper we study the conditions are required for existence of at least one positive solution of the functional-integral equation

$$u(x) = g(x) + \int_0^h k(x,s)F(u)(s)ds,\ x \in [0,h]$$

where $F : C[0,h] \to C[0,h]$ is an operator. Our approach to the problem is based on the Krasnoselskii's compression-expansion fixed point theorem.

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