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**APPROXIMATED SOLUTION OF THE EQUATION OF A SECOND KIND
WITH A SUM OF TWO OPERATORS**

Abstract

In this work the problem about an approximated solution of the equation of the second kind with a sum of two operators (monotone and contracting) in Banach space is considered. The theorems of a univalent resolvability, about an evaluation of a velocity of convergence of a sequence of approximations to a solution of the equation are proved. Such generalized outcome of Iu.L. Gaponenco about the approximated solution of the operator equation of second kind with a monotone operator is shown.