

## On numerical solving integral equations of the third kind with singularities in a kernel

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### Abstract

© 2016, Allerton Press, Inc. In the present paper we study a linear integral equation of the third kind with fixed singularities in a kernel. We propose and investigate certain special generalized methods for the approximate solving of these equations in the space of generalized functions.

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### Keywords

approximate solution, integral equation of the third kind, method of subdomains, space of generalized functions