

Existence Results for some Integral Equation with Modified Argument ¹

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Abstract

One of the most important tool in establishing existence or uniqueness theorems for integral equations in the classical Banach's contraction mapping principle or some of its generalizations.

In this paper we shall illustrate how one can establish existence results and approximate the solutions of certain integral equations in the case when the contraction mapping principle does not apply, but we are able to use instead the technique oimations f nonexpansive mappings.

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