

ON KAASIK'S METHOD FOR SOLVING NON-LINEAR OPERATIONAL EQUATIONS

Abstract

The paper deals with non-linear operational equations of the form $P(x) = 0$ where $P(x)$ is a non-linear operation from the Banach space X into itself.

The theorem proved here gives the conditions for the existence and uniqueness of the solution using Kaasik's method.

It represents a generalization of the former results, obtained by weakening the conditions given in [1] and [2].