

The Problems of Numerical Realization for Some Class of the Operator Equations by
the Perturbation's Theories Alternating Method

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Along with the perturbation method for linear operator equations, an alternative method of its solution is also considered; the design is performed not only when the basic system is a qualitative row, but also when we use any complete system defined on the area (for example, for a one-dimensional interval - a system of orthogonal polynomials). The quantity for each finite part of which the solving algorithm can efficiently obtain an approximate solution.