

Chuiko, S. M.; Kalinichenko, Ya. V.; Popov, M. V.

Boundary value problems for systems of non-degenerate difference-algebraic equations.
(English) [Zbl 1474.39033](#)

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Summary: The conditions of existence and the construction of solutions of Cauchy problem for difference-algebraic system are determined. The conditions of existence and the construction of solutions of a linear Noetherian difference-algebraic boundary-value problem are determined. An original classification and a single scheme of construction of the solutions of difference-algebraic equations are proposed.

MSC:

[39A27](#) Boundary value problems for difference equations

[15A10](#) Applications of generalized inverses

Cited in **1** Document

Keywords:

boundary-value problem; difference-algebraic equation; pseudoinverse matrices

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