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The study of solutions of a class of nonlinear systems. (Russian. English summary)

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Summary: We study systems of nonlinear equations, based on the triangular model for commutative systems of non-selfadjoint bounded operators. The case of multiple spectrum of the spectral density is considered.

MSC:

47A48 Operator colligations (= nodes), vessels, linear systems, characteristic functions, realizations, etc.

47N20 Applications of operator theory to differential and integral equations

Keywords:

triangular model; commutative system of linear non-selfadjoint operators; eigenvector