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Conditions of existence of a unique equilibrium position of the Cauchy problem for linear matrix differential-algebraic equations. (Russian. English summary) [Zbl 1399.15026](#)

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Summary: Sufficient conditions for the existence of a unique equilibrium position of the Cauchy problem for differential-algebraic equations are proposed. The paper proposes a constructive scheme of determining of the equilibrium position for the Cauchy problem in general case, when the linear operator L , corresponding to homogeneous of the equation, has no inverse operator.

MSC:

[15A24](#) Matrix equations and identities

Keywords:

differential-algebraic matrix equation; pseudoinverse matrix

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