
Simple algorithm of terminal control of pneumodrive at state and control constraints

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In this research we propose a simple algorithm of terminal control by moving of a pneumodrive rod from any initial condition into any final condition in the fixed time, in the small fixed number of equal steps without hitting the limiter. In the study we take into account all constraints. The algorithm uses switching planes which are received by approximating the solutions of 900 tasks of linear programming by the simplex method.

Keywords: terminal control, state constraint, a pneumodrive, linear programming, simplex method

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