# THE PROBLEM OF CLOSED-LOOP GUIDANCE BY A GIVEN TIME FOR A LINEAR CONTROL SYSTEM WITH DELAY

## P. G. Surkov

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The problem of guaranteed closed-loop guidance by a given time under incomplete information on the initial state is studied for a dynamical control system with delay by means of the method of open-loop control packages. A solvability criterion is proved for this problem in the case of a finite set of admissible initial states. The proposed technique is illustrated by a specific linear control system of differential equations with delay.

Keywords: control, incomplete information, linear systems with delay.

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