

Informatika i sistemy upravleniya. – 2016. – No. 2(48). – P. 25-36.

Devyatisilnyj A.S. (devyatis@iacp.dvo.ru), **Stotsenko A.K.** (stotsenko@iacp.dvo.ru)
Institute of Automation and Control Processes

RESEARCH OF VEHICLE MODELS WITH GUIDED LONGITUDINAL MOTION IN APROBLEM OF FOLLOWING A LEADER

The article is devoted to investigation of the model of longitudinal motion of a pair and a column of vehicles in acceleration, maintaining the given absolute speed and deceleration. We considered some possible models of traffic control. The results of numerical experiments are provided.

Keywords: motion, speed, distance, traffic flow, transport unit, control, feedback coupling, model.

DOI: 10.22250/isu.2016.48.25-36

For citation:

Devyatisilnyj A.S., Stotsenko A.K. RESEARCH OF VEHICLE MODELS WITH GUIDED LONGITUDINAL MOTION IN APROBLEM OF FOLLOWING A LEADER // *Informatika i sistemy upravleniya.* – 2016. – No. 2(48). – P. 25-36.