
Validation of operational and physical characteristics of ground mobile robotic vehicles for battle action

© K.Yu. Mashkov, V.I. Rubtsov, A.P. Fedorenkov

Bauman Moscow State Technical University, Moscow, 105005, Russia

The paper deals with the problems of mobility for ground mobile robotic complexes. It presents the results of the research carried out in Bauman University. The paper considers the environment impact on the robotic vehicle agility as well.

Keywords: mobile ground robotic complex, vision system, limited velocity, environment impact.

Mashkov K.Yu. (b. 1944) graduated from Bauman Moscow Higher Technical School in 1968. Ph.D., Assoc. Professor of the Multipurpose Tracked Vehicles and Mobile Robots Department of Bauman Moscow State Technical University. Author of more than 80 publications in the field of interaction of propulsive agent with soil and design of chassis of mobile robots. e-mail: kafsm9@sm.bmstu.ru

Rubtsov V.I. (b. 1968) graduated from Bauman Moscow State Technical University in 1995. Ph.D., Assoc. Professor of the Special Robotics and Mechatronics Department of Bauman University. Author of more than 20 publications in the field of robotics and control systems. e-mail: kafsm9@sm.bmstu.ru

Fedorenkov A.P. (b. 1940) graduated from Bauman Moscow Higher Technical School in 1960. Ph.D., Assoc. Professor of the Multipurpose Tracked Vehicles and Mobile Robots Department of Bauman Moscow State Technical University. Author of more than 70 publications in the field of automatic design for ground vehicles.