

Predicting the mobility of a special wheeled chassis at the design stage

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Issues of predicting the mobility of a special wheeled chassis of the new generation by means of mathematical modeling of motion simulation under different operating conditions are considered. Also, the problem of joint modeling of processes of different physical nature, continuous and discrete, is addressed as part of the theoretical study of motion of a special wheeled chassis.

Key words: *special wheeled chassis, mobility, all-wheel steering, electric wheel drive, pneumatic-hydraulic suspension, on-board information control system.*

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