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# Unconventional evaluation criterion of suspension system of high-speed tracked vehicle

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*A high-speed characteristic of cushion systems of tanks for the first time introduced by Professor A.A. Dmitriev is used at design and testing calculation of cushion systems of vehicles. The existing high-speed characteristic on breakdown of a suspension bracket does not allow to estimate perfection of suspension systems on their influence on controllability of the car. The technique allowing qualitatively, as a first approximation, to estimate perfection of this or that suspension system from the point of view of influence of it on controllability of the car is offered. On the basis of the developed technique the high-speed characteristic on the controllability, allowing to estimate perfection of suspension system on this indicator is entered and constructed.*

**Keywords:** *the caterpillar machine, suspension systems, controllability.*

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