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## **IDENTIFICATION OF MOTOR VEHICLE HANDLING DURING UNSTEADY DRIVING**

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*The paper refers to the identification of vehicle performances in limit driving regimes in real conditions.*

*On the basis of the structure of simulation model, a model for identification of the characteristics of coupling between the driver's action on system commands and vehicle response has been formed.*

*Experiments were conducted on curved parts of the road with variable vehicle speed. The investigation results are stated in four evaluation levels and parameters, showing the weakening rate of the coupling between the driver's action and vehicle response in unsteady driving regimes, are defined.*

*Key words: identification, vehicle handling, unsteady driving.*

## **IDENTIFIKACIJA KARAKTERISTIKA PONAŠANJA VOZILA NA PUTU PRI NESTACIONARNOJ VOŽNJI**

*Rad se odnosi na identifikaciju performansi vozila pri graničnim režimima kretanja u realnim uslovima. Na osnovu strukture simulacionog modela formiran je model za identifikaciju karakteristika sprege dejstva vozača na komande sistema i reakcije vozila.*

*Eksperimenti su sprovedeni na krivolinijskim deonicama puta pri promenljivoj brzini kretanja. Rezultati istraživanja su iskazani u četiri nivoa vrednovanja i definisani su parametri koji pokazuju stepen slabljenja sprege dejstva vozača i reakcije vozila pri nestacionarnim režimima kretanja.*

*Ključne reči: identifikacija, karakteristike ponašanja vozila, nestacionarna vožnja.*