

SUMMARIES
REZIMEA

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THE INFLUENCE OF LOAD'S POSITION ON SENSITIVITY OF TRUCK'S
DYNAMICS CHARACTERISTICS

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Truck concept significantly affects its dynamic parameters. Some of them do not depend on concept but depend on service conditions, for example specific load position in the load trunk. In this paper, the sensitivity functions of the first order of parameters have been analyzed. A significant influence of variation of C.G. position has been noticed on vertical vibration in horizontal direction as well as C.G. variation in lateral direction on angular vibration.

Key words: truck, service conditions, dynamics characteristics, sensitivity function

UTICAJ POLOŽAJA TERETA NA OSETLJIVOST DINAMIČKIH
KARAKTERISTIKA KAMIONA

Koncepcija kamiona utiče na njihove dinamičke parametre. Neki od njih ne zavise samo od koncepcije, već i od uslova eksploatacije, kao na primer: položaja tereta u odnosu na tovarni sanduk. U ovom radu je učinjen pokušaj analize uticaja položaja tereta, a samim tim i težišta vozila na dinamičke parametre kamiona, kroz analizu funkcija osetljivosti. Uočen je značajan uticaj promene položaja težišta u podužnom pravcu na vertikalne oscilacije, kao i uticaj promene položaja težišta u bočnom pravcu na ugaone oscilacije.

Ključne reči: kamion, eksploatacioni uslovi, dinamičke karakteristike, funkcija osetljivosti