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ANALYSIS OF TRAILED VEHICLE SUPPORT STRUCTURE DYNAMIC BEHAVIOUR

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Subject of this paper is identification of trailed vehicle support structures (TVSS) behaviour. Developed methodological approach contains separate part, which is deal with TVSS dynamic behaviour.

The paper presents dinamic respons of a universal semi-trailer support structure. Basic goal of carried out calculations and analysis is connected with verification of proposed (improved) construction concepet of TVSS from aspect of dynamic behaviour.

Key words: support structure, final element's analysis, trailed vehicle.

ANALIZA DINAMIČKOG PONAŠANJA NOSEĆIH STRUKTURA PRIKLJUČNIH VOZILA

Radom se razmatra problematika identifikacije ponašanja nosećih struktura priključnih vozila (NSPV). U okviru razvijenog metodološkog prilaza posebna celina tretira oblast dinamičkog ponašanja NSPV.

U radu su pretpostavljeni dinamički odzvi noseće strukture univerzalne poluprikolice. Osnovni cilj sprovedenih proračuna i analiza vezan je verifikaciju predložene (poboljšane koncepcije gradnje NSPV i sa aspekta dinamičkog ponašanja.

Ključne reči: noseća struktura, analiza konačnim elementima, priključno vozilo.