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## **STUDY OF PASSENGER CAR BODY PRODUCTION QUALITY IMPACT TO ITS MODELLING**

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*Passenger car body calculation is performed in order to obtain data that are accurate, timely and affordable and, as such, completely correspond to the market requirements, particularly in the initial design stage.*

*This paper deals with the aspect of quality inconsistencies which are inevitable under the actual production conditions.*

*Based on the analysis made, it was pointed out that the calculation results should be more used as indicators of body behavior and less as indicators of the exact demonstration of some of the parameters.*

**Key words:** *passenger car, body, production quality, calculation.*

## **ISTRAŽIVANJE UTICAJA KVALITETA IZRADE KAROSERIJE PUTNIČKOG AUTOMOBILA NA NJENO MODELIRANJE**

*Proračunom karoserije putničkog automobila, pogotovu u početnoj fazi projektovanja, potrebno je obezbediti informacije koje po svojoj tačnosti, pravovremenosti i ceni potpuno odgovaraju zahtevima tržišta.*

*U radu je razmatran aspekt nestalnosti kvaliteta koji je neminovan u realnim uslovima proizvodnje.*

*Na osnovu sprovedene analize ukazano je da se rezultati proračuna trebaju koristiti kao pokazatelji o ponašanju karoserije a manje kao pokazatelji u smislu egzaktnog izražavanja nekog od parametara.*

**Ključne reči:** *putnički automobil, karoserija, kvalitet izrade, proračun.*