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METHOD OF RECONSTRUCTION TWO VEHICLE COLLISION

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In this paper one example of two vehicle collided passenger cars is presented. For reconstruction, the synthesis known methods, [1], [2], [3], is used. The laws of macro-mechanics and experience about motion of vehicle after collision is used and reasonable result are obtained.

One review of papers between 1972-1992 and analysis of influence factors is made and on this base one graphics-analytical method is constructed. This method is simply and reliable. In this paper, one example of side collision of two passenger cars is treated.

Key words: collision, passenger car, impact force, impact energy, velocity.

REKONSTRUKCIJA SUDARA VOZILA

U ovom radu je dat primer rekonstrukcije sudara putničkih vozila koji je urađen sintezom računskih metoda iz literature, [1], [2], [3]. Korišćeni su zakoni klasične mikro-mehanike i iskustvene pretpostavke o načinu kretanja vozila posle sudara, što je rezultiralo prihvatljivim rekonstruisanim brzinama vozila.

Pregledom metoda rekonstrukcije sudara dva putnička vozila napravljenim iz dostupne literature, period 1972-1992 i analizom faktora koji dovode do neslaganja rezultata dobijenih različitim metodama, napravljena je jedna sintetizovana grafo-analitička metoda kojom se jednostavno dolazi do procene brzine kretanja vozila pre sudara. U radu je dat primer bočnog sudara dva putnička vozila.

Ključne reči: sudar, putničko vozilo, impul sile, energija udara, brzina.