

COMPARISON OF BRAKING PARAMETERS AND DRIVERS' REACTIONS IN CASE OF VEHICLES WITH AND WITHOUT ABS

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Abstract

The aim of this paper is to make a comparison between braking parameters of the vehicles equipped with ABS and those not equipped with the mentioned device. Modelling of the foot dynamics was attained by exerting recorded force upon a brake pedal. Throughout experimental research we strived to implement experiments in both cases in the most similar way. ABS did not fully meet the expectations from the aspect of reducing the number of car accidents. Some of the reasons cited as the explanation for such results are directly linked to the driver's behaviour and the way of his acting on brake pedal. Thus this paper pays special attention to the drivers' behaviours.

Keywords

ABS, vehicle, experiment, driver