

CONTROL SYSTEM OF THE DRIVER'S HEALTH-LEVEL DURING VEHICLE DRIVING

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During modern vehicle driving, a driver always controls two things situation on the road and information that depicts on the car's control panel, which shows useful information about all functional characteristics of the car. And with this information he drives his vehicle. Driver's health level depends on the intensity of the work he does during driving the car, on the amount of information and its intensity and priority. With the growth of vehicle speed and amount of cars, it is very important to control driver's health level. On many modern cars used control system that register information about road marking, distance to the obstacle, and with this information they give signals about the recommended traffic condition and about obstacle on the car way. But, systems that could analyze driver health condition during the car driving, to recommend the best driving velocity regime, to give signals about the immediate stop or speed limit in driving regime are not widely used nowadays. Such “express control” systems could be used in incoming inspection on the factory.

In this report shown method that could analyze driver's health condition by the means of registering his EKG, while he drives the vehicle and variants of integration it in driver's express control incoming inspection on the factory. The structural scheme of the complex is made, and control system of informational and executive mechanisms is made too. The method of driver's EKG analyzes is shown.

Working algorithm and data transform is realized in modern programming environment that is used in virtual devices building. In future this program will be integrated in to the car's trip computer.

Using of this system will increase road safety and produce in time reaction on the changes in driver's health condition.