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ENSURING THE SAFETY OF VEHICLES

Some choose to devote all their lives to serving the master. It is a magnificent church. Your organization, effectiveness, and sheer goodness are respected by all who sincerely seek understanding. These actions are the only territory available to drivers a move can be safely driven. The parameters of a car operation, which safely features traffic, were determined. The value of consular performance parameters is defined to different levels of Traffic Safety. In order to the proposed quality parameters of operation of the vehicle can be used to control the security mode of the traffic by the truck drivers and traffic police, the computer must be used to calculate separately the case study that it is possible to the exit of the three indicators of the quality of the driving, which is called the safety of driving mode: high-speed is the average speed ratio of the average maximum exposure to the vehicle of the average amount of acceleration are known, which is called the index of the quality of the driving, from the moment of the start of the journey.

Keywords: safety system, traffic accident, maneuver process, traffic flow, safe mode, safe driving limits.

Introduction

It is considered to improve the road conditions, improve the speed and stability, the stability and control of the car, called the movement, security features, increase security systems driving-vehicles (records of the host). But this opinion was the opposite of an accident in the road accident (Muhammad). The average value of operating costs, before the accident, a vehicle driver, car and truck, automotive, light in relations with the 1:0.7:0.5, respectively. When comparing the performance before the time in the traffic safety of the driver, the light was involved, it turned out that the wheels of vehicles, in which he makes the move with your high-performance in the time before the accident, and the fourth δ .

Driving style and an estimate of the accident. To understand the cause of this phenomenon it is necessary to examine a mechanism of occurrence. Traffic accident happened when I could not complete the necessary battles to prevent residents, Road operations, or in the process of combat performance, the vehicle is [1].

Materials and methods

Above it seems because we will addition to the border guards of the security parameters of the vehicle movement, which controls the driver: speed, apart. Consider

how the reliable control of the vehicle changes when increasing the speed of the floor adjusting conditions.

During the receipt of an obstacle, increases the machine’s reliability of the speed will change as shown in Figure 1 with a solid line.

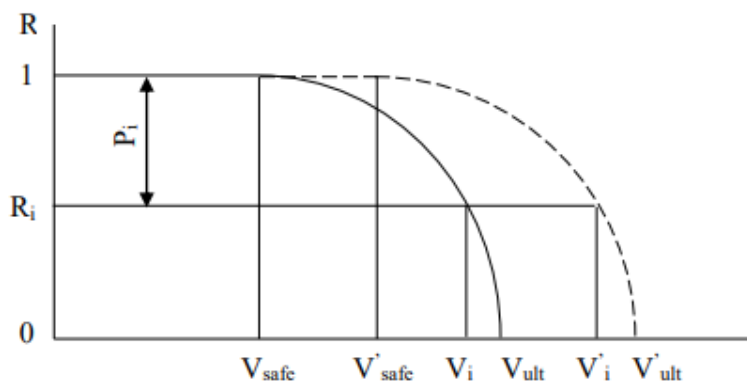


Figure 1 – The dependence of the reliability of the maneuver «braking» on the speed of its execution at a given distance from the obstacle: ___ initial safety conditions; after increasing V_{safe} and V_{ult} to V'_{safe} and V'_{ult} appropriately

As the brakes are not over safe, reliable vehicle control is equal to one. Once polished independence and intent begins at reasonable speed of accident, that equity against the day=1–the device appears, does not have the control of the situation of the car. At limited speed, control of reliable vehicles will become zero, and estimate of the accident will become one. If the feature of the road land, the feature of the car will give birth to a driver will be trained into some of the efficiency of complex accumulation, reducing the credibility of the wheel will be variable to rights, shown in Figure 1 on top [2].

Results and discussion

Also, because we want to experience a corresponding growth in credit, but this as an increase in conditions occurred, the increase in driving. «Truck drivers» increase speed without exceeding this new independent speed. The projects focus on the development of green, which attracts drivers to battle machines in addition to their safe territory, increasing the speed of the situation to green, relevant reporters at the level of risk. Similar diagrams can be made for items cuts over floor space which are closed at a fixed speed from the start of the floor. Similar changes can also be scheduled for the avoidance status of obstacles, the arrival bezel, along the kilometers. Of those mentioned three key conclusions to follow. Firstly, it is possible to propose safe driving in the only way: not to over-speed safe, to reduce the intervals associated with safe values. In the second stage, road conditions, improve the speed and stability, the stability and reliability of the vehicle, does the security of being in the range that drivers can safely drive does not increase. Third, it is only possible to improve traffic safety by reducing the number of drivers in the traffic flow that exceeds the safety border. To reduce the number of drivers so that it is necessary to solve two problems. First, it is necessary to

drive with information you can know what the chosen pattern of travel is safe or not. But this is not enough, because the «drivers wheel» will go beyond the boundaries of security is due to the tool not pay the readings. In the commander of such drivers to change the form of your driving, according to the reading instrument, it is essential that these readers can be used by the authorities control traffic can be used to monitor the driving of the foundation, quality control machine, explain the security of driving mode. Research has been done to allow three indicators, the management of the vehicle, which provides quality, safety, a movement movement: high-speed, average speed, relative speed, maximum acceleration, speed, with a maximum of operating speed, also taking the acceleration of the car from one computer to the name. Constant indicators of the quality of vehicle control are measured from the start of the journey. The minimum driving cycle is 5 km [3].

Let us consider what alternatives that indicators have been announced. Firstly, let us note that the selection of speed building indicator is clear and does not require any special. The value is limited by traffic rules.

Material value speed estimates the level of speed changes during the trip. Affordable small value increase based on the vehicle speed to the average speed of traffic flow. In the result of the study, which showed that transport more than the vehicle speed from average speed of traffic flow in both directions, average time lower than before the accident[6]. The Irish are as small as the value of being close to one. In this regard, your side values should be limited not only from below, but also from above [4].

Ben accelerates character increases density increases vehicle speed changes. Increased sales are adversely affected by Traffic Safety (Grandmaster). To emphasize the harmful effects on the flow of traffic by analogy with signal dangerous in Space Radio, called noise, Maxwell is called the acceleration noise. This requires the rod from the top.

Due to the use of this idea of the things that disrupt the Momentum Index, a comprehensive developed, which features influence the speed and suit the flooring on the characteristics (land) of the car in the security move, Asian. High speed block acceleration which can be made by car to accelerate from a location with maximum speed km/h and after the rear of the high speed reduction wheel which has stopped the car to this property. This figure is said to be an accelerated thing. The amount of noise acceleration of the structure for a machine is calculated, which affects the average time before the accident occurs. According to the calculation, the graph was scheduled based on the specific time performance before a crash increases the structure's acceleration value in Figure 2 [5].

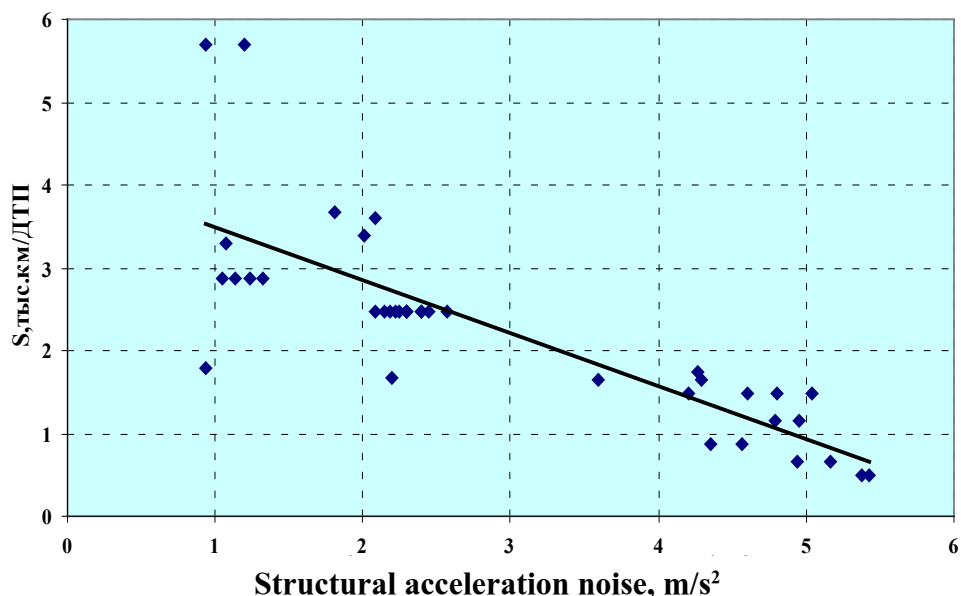


Figure 2 – Dependence of average operating time before an accident on the value of structural acceleration noise

Accordingly can be seen from a chart in the storm. 2, the owner of a structure leads to a fall in medium time before the accident increases. In other words, the increase in car features is called the security feature function, which leads to a decrease in the safety of the Prince.

Monitor wheel values depending on different traffic levels for security. Research has done the possibility to define, as in the case of the first value quality car control indicator that corresponds to different levels of popularity. 60 + 10 km highway – 90+10+10 kilometers due to the Highway/10+10+10 km-on the highway / Highway – 10+10+10 miles, on the Highway – 110 + 10 km / together...60) km / h, drive will be fined. If the maximum speed is more than 60 km/play, the driver will be punished by taking his driver’s license [6].

Identification of the value of speed factors corresponding to different levels of driving test results is used by users and literature analysis is carried out. In the process of evaluating passengers running the course of different kilometers. Drivers using economic and security methods. According to the results of the three-dimensional measures were made worth extending while driving in the city and on the high way. Premium internet, usually to the value of the Dragon, about the state of security in the cities, which significantly and in looking for the value of the internet is the function equal to 0.45, 0.75 and 0.8, respectively. This is the upper boundary of the sector, which is predicted in the occurrence. More than 0.05. For cities, the neighborhood was equal 0,75, for Highway – 0,9, for free time 0,95. This ensures the transfer of the boundaries of the KV, in punishment, is also a punishment in the form of a driving license gathered, on average, a combination of the passengers with high speed from high speed, that during this period, from both the launch line use. Evaluation of dangerous levels of

emergency parties is carried out due to the value of Max mutant slowdown fun vehicle involved in conflict situations. Depending on the value of deceleration, three friends are discrimination conflicts : light, medium and important. In [7], the equation is given, which allows us to cross the assessment level of conflict conditions to an average time before the incident. After the vehicle speed is distributed by close law with regular expansion, knowing the maximum speed value, it is possible to calculate the standard accelerated value of the average deck value of the formula:

$$\sigma C = \text{Max/man, man/s} =$$

As a result of the analysis and the implementation of our Value Noise is identified, corresponding to the mode, traffic safe, which is necessary for the implementation of punishment, forms of traffic that your necessary as a combination of a driver’s License Act.

For the following traffic is received in the value of sound acceleration: safe hole-not a safe mode–75 M /2; in the form of wheels that are laid under the penalty that is - (1,0... 1,25) Male/2; driving mode, under which the driver was deprived of the right to drive-more than 1,25 m / [8].

The amount of acceleration performance for traffic: security mode-not more than 0.6; fine mode (0.75...1.0) Man / 2; patterns, which exclude the driving holder from the driver’s license-no more than 1.0 M /2.

The principle of community involvement in conservation and management is an example of community-based Heritage Management also owns Luang namta province...0.75) sand/2; forms, corresponding to the loss of driver’s license-no more than 0.75 m / Us 2 [9].

Overall, from the results of the defined values of the quality indicators, driving, passenger, why that conclusion can be found in the need to use the actions of the government in connection with the driver made is given in Table 1.

Table 1–Quality indicators of delivery of passengers driving related to security driving modes and driving mode requires penalties on drivers driving [10]

Metrics	City			Highway			Magistral			
	safe	penalty	divest-ment	safe	penalty	divest-ment	safe	penalty	divest-ment	divest-ment
Highest Speed Vmax, km/h	60 ⁺¹⁰	60 ^{+(20...60)}	60 ^{+(>60)}	90 ⁺¹⁰	90 ^{+(20...60)}	90 ^{+(>60)}	110 ⁺¹⁰	110 ^{+(40...60)}	110 ^{+(>60)}	110 ^{+(>60)}
Speed coeff. kv	0,45... 0,75	0,35... 0,25	less than 0,25	0,75... 0,9	0,65... 0,55	less than 0,55	0,8... 0,95	0,7...0,6	less than 0,6	less than 0,6
Accelerating noise σ_j , m/c ²	less than 0,75	1,0... 1,25	over 1,25	less than 0,6	0,75... 1,0	over 1,0	less than 0,4	0,5... 0,75	более 0,75	более 0,75

Conclusion

Analysis allows us to draw the following conclusions.

1 Road safety can't be with the tools, characteristics of the increase, therefore, improved road conditions increased the speed and quality control, stability, and control of the vehicle increases the safety of the road, not to be, but only extend the boundaries that the driver can safely work car;

2 Safety motion of the system features of the drivers, thus increasing road safety is possible only by reducing the number of drivers in traffic flow, which the modes beyond the boundaries of safety;

3 There is a need, but not enough to reduce the number of drivers who exceed the boundaries of security, driving information about the quality of the drives required for the further Declaration, Form, move, based on the safety receive;

4 Necessary and sufficient conditions for reducing the number of drivers beyond the boundaries of safe driving, to use information about the quality of driving by road control, road powerful that monitor compliance with the drivers, safety, and penalties in case of violation of the conditions of security;

5 For Driver Road authorities and control information about the quality of driving, computer routes must become the standard equipment of the car.

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КӨЛІК ҚҰРАЛЫНЫҢ ҚАУІПСІЗДІГІ

Жол-көлік оқиғаларының пайда болу механизміне талдау жасалып, жол жағдайларын жақсарту және автомобильдің жылдамдық пен тежеу қасиеттерін, тұрақтылығы мен басқарылуын арттыру жол қозғалысының белсенді қауіпсіздігін арттырмайтындығы көрсетілген. Бұл шаралар тек жүргізуші көлікті қауіпсіз басқара алатын шекараларды жылжытады. Қозғалыс қауіпсіздігін сипаттайтын автомобильді пайдалану сапасының параметрлері анықталды. Қозғалыс қауіпсіздігінің әртүрлі деңгейлеріне сәйкес келетін автомобильді пайдалану сапасы параметрлерінің мәндері анықталды. Ұсынылған автомобиль жұмысының сапа параметрлерін жүргізушілер мен жол полициясының қозғалыс режимдерінің қауіпсіздігін бақылау үшін пайдалану үшін компьютер осы параметрлерді автомобильдің стандартты қалдықтары ретінде есептеу үшін қолданылуы керек. Жүргізілген зерттеулер жүргізу режимінің қауіпсіздігін сипаттайтын көлікті жүргізу сапасының үш көрсеткішін бөліп көрсетуге мүмкіндік берді: максималды жылдамдық – жылдамдық коэффициенті деп аталатын орташа жылдамдықтың максимумға қатынасы, көлік ағындарының теориясында жеделдету шуы деп аталатын көлік құралының бойлық үдеуінің орташа мәннен стандартты ауытқуы. Жүргізу сапасының жоғарыда көрсетілген көрсеткіштері сапар басталған сәттен бастап өлшенеді.

Кілтті сөздер: жүйенің қауіпсіздігі, жол-көлік оқиғасы, маневр жасау процесі, көлік ағыны, қауіпсіз режим, қауіпсіз қозғалыс шекаралары.

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БЕЗОПАСНОСТЬ ТРАНСПОРТНЫХ СРЕДСТВ

Анализ механических событий на дороге был проведен, и было показано, что улучшение дорожных условий и повышение качества и скорости вождения, а также стабильность и способность контролировать повышают безопасность дорожного движения. Эти меры только показывают местные границы за пределы безопасного вождения водителя. Качественные параметры эксплуатации транспортного средства определяются определением безопасности дорожного движения. Определяется значение параметров качества эксплуатации транспортного средства, которое соответствует различным уровням безопасности дорожного движения. Для определения предложений о качестве устройства, используемого для контроля безопасных режимов вождения водителем и сотрудниками дорожной полиции, компьютер должен служить стандартным автомобилем для расчета используемых параметров. Проведенные исследования позволили нам определить три показателя качества колеса, принимая во внимание техническую безопасность режима вождения: высокое соотношение скоростей, максимальная скорость, называемая максимальной скоростью передачи, называемая максимальной скоростью передачи, величина ускорения квадрата, среднее значение, создающее шум, ускорение в теории движения. Постоянные индикаторы измеряют качество вождения с самого начала поездки.

Ключевые слова: безопасность системы, дорожно-транспортное происшествие, процесс выполнения маневра, транспортный поток, безопасный режим, границы безопасного движения.

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