
Nonlinear car toe control system

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The article considers the issues of solving problems for nonlinear system with automatic toe-in control function in car motion. Designers have already used passive toe-in management for a relatively long time. Recently cars with active toe control system were released. Development of the toe control technology where devices with non-linear characteristics are applied, involves the use of methods for calculating toe control systems with such characteristics. The problems of calculating toe control systems with nonlinear elements are considered in the time domain. The calculation of these systems in case of random loads was considered separately.

Keywords: *active safety of the vehicle, toe control system, active toe control system, non-linear toe control system.*

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