

Forming the knowledge base of truck transmission control module with using artificial neural networks

Mullahmetov A., Simonova L.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The paper examines the possibility of application of the rule base and neural network, as elements of the knowledge base of an expert system for optimizing the design of the car. Determine the basic requirements to the bases of the rules and neural networks. Enter the basic criteria of the possibility of application of expert knowledge for upload rules. An example of processing algorithm transmission control rules in the language of logical programming Prolog. Describes the background and the main activities undertaken in the development of a neural network. Given the main criteria for the analysis and development of applications of neural networks. © IDOSI Publications, 2013.

<http://dx.doi.org/10.5829/idosi.wasj.2013.25.06.13348>

Keywords

Neural network, Prolog, Rule base, Transmission control