

Automated test system of diesel engines based on fuzzy neural network

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Abstract

© Medwell Journals, 2014. This study deals with the method for controlling a test stand of diesel engines based on fuzzy neural network. Structure and training algorithm have been proposed for a fuzzy neural network to control a diesel engine during testing. A knowledge base structure has been proposed. Fuzzy rules have been described to control a diesel engine. Techniques and algorithms have been realized in the form of a computer program. The effectiveness of the proposed automated diesel engine test system has been analyzed.

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Keywords

Automated test system, Diesel engine, Fuzzy rules, Information technology, Neuro-fuzzy network