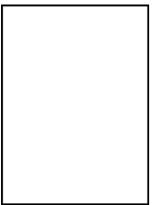# Prediction of journey parameters for the intelligent control of a hybrid electric vehicle

typescript - [PDF] Range prediction of electric vehicles

Description: -
-Prediction of journey parameters for the intelligent control of a hybrid electric vehicle
-Prediction of journey parameters for the intelligent control of a hybrid electric vehicle
Notes: Thesis (M.Sc.) - University of Warwick, 1997.
This edition was published in 1997

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Tags: #Intelligent #HEV #Fuzzy #Logic #Control #Strategy #Based #on #Identification #and #Prediction #of #Drive #Cycle #and #Driving #Trend

[PDF] Range prediction of electric vehicles

Research on Markov property analysis of driving cycles and its application. UNSPECIFIED 1996 Predicting journey parameters for the intelligent control of a hybrid electric vehicle.

Combined Prediction for Vehicle Speed with Fixed Route

A model predictive speed tracking control approach for autonomous ground vehicles. The route selected in the paper is the travel route commonly used by the population in the region. The arrangement of this article is as follows: The second part introduces the source of road driving cycle data used by the prediction model.

Intelligent HEV Fuzzy Logic Control Strategy Based on Identification and Prediction of Drive Cycle and Driving Trend

Furthermore, it can be seen from the law of Table that within a small prediction step, the accuracy of the prediction model is not much different because the prediction accuracy is high. Based on the advantages of a BP neural network and Markov prediction algorithm, the prediction model is improved, and three combined prediction models, MBNN1, MBNN2, and MBNN3, are designed. We used the predicted data as inputs of the intelligent controller, and made optimal power matched control rules to maintain the battery SOC values in an appropriate range, make sure the output torque almost equal to optimal torque of engine and to ensure that motor works in an ideal area.

Using Vehicle Navigation and Journey Information for the Optimal Control of Hybrid and Electric Vehicles

Markov velocity predictor and radial basis function neural network-based real-time energy management strategy for plug-in hybrid electric vehicles.

Using Vehicle Navigation and Journey Information for the Optimal Control of Hybrid and Electric Vehicles

Therefore, the speed predicted by the BP neural network in Figure is mostly attached to the surface of the actual speed curve. Procedia CIRP, 2018, 76: 205—210.

Combined Prediction for Vehicle Speed with Fixed Route

Six types of LOS are labeled from A through F with A representing the best level of service, i. The following is a comparative analysis with a set of results data.

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