Literature Survey

Machine Learning based Vehicle Performance Analyser

2014 - Simulation for prediction of vehicle efficiency, performance, range and lifetime: A review of current techniques and their applicability to current and future testing standards

Computer simulation tools can give early indicators of key vehicle characteristics. In traditional hybrid vehicles, this is important in designing for optimal fuel consumption; in plug-in hybrids and pure electric vehicles, it is critical for accurate prediction of range, a key market qualifier.

https://www.researchgate.net/publication/273951090_Simulation_for_prediction_of_vehicle_efficiency_performance_range_and_lifetime_A_review_of_current_techniques_and_their_applicability_to_current_and_future_testing_standards

2021 - Vehicle Performance Engineering

Vehicle performance is the study of the motion of a vehicle. The motion of any vehicle depends upon all the forces and moments that act upon it. Performance of a vehicle can be evaluated using following indicators: the maximal speed that can be reached, the accelerating time from zero to a certain speed, the maximal climbing angle, the mileage in a certain condition and the hydrogen consumption in a specific cycle.

https://www.etssolution-asia.com/blog/vehicle-performance-engineering

2018 - Evaluation of Vehicle Performance Based on Set Pair Analysis

An evaluation method of vehicle performance based on set pair analysis was proposed. The evaluating index system of vehicle performance was constructed by setting five first-level evaluation indexes and thirteen second-level evaluation indexes. The evaluation models were constructed by using four-element connection number of set pair theory for quantitative evaluation and qualitative evaluation of vehicle performance

https://www.atlantis-press.com/article/25895584.pdf