研究室名

加藤彰研究室 学会発表

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学会名	公益社団法人自動車技術会2023年春季大会学術講演会
演題名	Study of Actual Road Power Consumption Improvement Method for Electric Vehicle using Traffic Flow Simulation
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内容	CO2 and exhaust emissions regulations are becoming stricter year by year. Passenger cars are shifting from ICE Vehicles to BEV (Battery-Electric Vehicles). Concerning the range of BEV that will not have enough battery charge to reach their destination, the purpose of this study is to make a propose for an improved method of energy efficiency of a BEV using traffic flow simulation (SUMO). The vehicle numerical model was created using Matlab based on the vehicle used in test cycles and real driving tests. The vehicle numerical model will be connected with SUMO and the eco-driving of BEV will be presented as an energy efficiency improvement method.
関連画像	Crashinate of Mattale and SIMO rice is calculated by connecting SUMO with the vehicle model of tacked spectrated by SUMO is input to the vehicle model of read command. The vehicle model can drive according to the target in cond de calculated.