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演題名	STUDY ON FUEL CONSUMPTION ON ACTUAL ROAD BY USING TRAFFIC FLOW SIMULATION FIRST REPORT : MODELING OF VEHICLE AND ENGINE BY USING MATLAB
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内容	To prevent global warming and pollution, CO2 and exhaust emissions regulations are becoming stricter year by year. Considering the reduction of fuel consumption on actual road, also CO2 emissions emitted by actual vehicle, it is important to build a simulation model as the countermeasure. Nonetheless, it becomes a challenge to accurately reproduce various vehicle models and actual complex road environment on simulation. The purpose of this study is to introduce a method for reducing CO2 emissions on actual road by using simulation. In this study, as the first report, by using MATLAB/Simulink, a vehicle model is constructed based on vehicle used in actual driving test.