

研究室名

加藤彰研究室 学会発表

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学会名	JSAE 32nd Internal Combustion symposium
演題名	Study of Diesel Combustion Simulation by Evaporative Spray Measurement in High Temperature and High-Pressure Vessel
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内容	In order to achieve carbon neutrality by 2050, it is considered that renewable energy such as e-fuel is indispensable for internal combustion engines in addition to the conventional BDF. In this study, JIS2D and BDF were used, and fuel spraying and combustion simulation were performed using a 3D CFD tool. In this study, we measured fuel spray on a constant volume vessel at a 600 K of in-constant volume vessel temperature and 3.0 MPa of pressure to improve the accuracy of calculation prediction. Combustion simulation is performed using the experimental results, and the prediction accuracy of various exhaust emissions is reported.
関連画像	