
OpenFOAM for Internal Combustion Engine Simulation, Combustion and Spray



TOPICS

Present the state of art of OpenFOAM in the fields of:

- Reacting flows;
- Mesh motion;
- Spray modelling;
- Internal combustion engine simulation:
 - Cylinder;
 - Intake and exhaust systems;

OpenFOAM can be:

- A common platform where to test and compare different models for spray and combustion;
- The code handling the future needs of the IC engines simulation community:
 - Multi-cycle LES;
 - Eulerian-Lagrangian coupling;
 - Complex chemistry combustion;

