

Openfoam Programming

Introduction to OpenFOAM for Aeronautical EngineersThe OpenFOAM Technology Primer Sudipto Mukhopadhyay Tomislav Marić

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openfoam software and its growing popularity is attributed to the scope of customization for specific applications and large scale parallel simulations this open source software is widely used in aerospace community and its popularity is increasing at a rapid pace introduction to openfoam for aeronautical engineers covers aerospace cfd which includes turbulence modelling external aerodynamics compressible flows sprays and combustion from the openfoam usage perspective the book provides adequate examples covering most of the aspects of cfd code and enables readers to carry out their own modifications additionally modification of existing solvers and utilities to implement new models as well as tips and tricks related to solvers used in aeronautical applications are included lastly a short introduction to linux and c is provided along with references to other easily available sources introduction to openfoam for aeronautical engineers is for aerospace researchers engineers students as well as those who have been using commercial cfd packages and want to explore openfoam

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