Abstract

Simulating Multiphase flow over Cylinder and Simple Boat using OpenFOAM

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To examine the Computational Fluid Dynamics effect using the open source software OpenFOAM, to calculate hydrodynamic values for sea vessels.
The vessels were assumed to be operating in deep water conditions.

The solver to be used is InterFoam

To be done:

To carry out the simulation over simple cylinder geometry.
Later similar simulation will be carried on a small boat